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ESTABLISHED
48
YEARS

ETOILE DE FRANCE

KAISERIN

ANNUAL CATALOGUE FOR 1913

YOU CAN HAVE ROSES ALL
SUMMER BY PLANTING THE
**EVERBLOOMING
ROSE COLLECTION**
5 SUPERB ROSES
FOR **50 CTS.** POSTPAID.

YELLOW
COCHET

CHAMPION
OF THE
WORLD

BESSIE BROWN

IOWA SEED CO.

DES MOINES,
IOWA.
U.S.A.

SEEDSMEN TO THE
ONLY ONE
THE BEST
QUALITY
AMERICAN PEOPLE

EVERBLOOMING ROSE COLLECTION

Satisfactory Sorts Chosen for This Special Offer
Because They Bloom Very Freely and Continuously

FIVE FINE, STRONG PLANTS POSTPAID FOR 50 cts

Fine Two-Year-Old Plants for Immediate
Blooming Postpaid to any Address \$1.00

FORM AND SHADES OF COLOR SHOWN IN ARTISTIC
PICTURE ON FRONT COVER PAGE OF THIS CATALOGUE



BESSIE BROWN

It is impossible to convey on paper the loveliness of the rose. The artist has painted from nature and you can form some conception of the beauty of our blooming roses, but we cannot show in this manner the dewy freshness, splendid substance or delightful fragrance of these queenly blossoms. No flower that blooms is so popular as the rose, and the varieties offered in this collection will delight the grower with sturdy growth and bountiful returns. Our choice of these varieties for this offer was determined by consideration first, the production of bloom; second, hardiness and vigor of plants; third, harmony of color; and we know from experience in growing roses for many years and from comparative tests of hundreds of varieties that our selection of kinds for this collection will please our friends who favor us with orders for this Everblooming Rose Collection. The young plants offered are vigorous growing plants from 2½ inch pots, while the two-year-old plants will be either dormant or growing plants depending upon the time of filling the order. Dormant plants will be sent as long as stock lasts after which growing plants will be supplied. In either case we guarantee them to reach you in good condition.

Kaiserin. The picture does not do it justice. It is in our opinion the finest white everblooming garden rose. It is as hardy as any of this class and will winter safely with protection. Buds are of faultless shape, and develop into great large double flowers of soft pearly white, lightly tinted with lemon at the center. Is exquisitely fragrant and a free bloomer. Worthy of first place in our first bargain offer. Each 15c; two-year-old 30c.

Bessie Brown. This is called by rose specialists the finest new variety which has been brought out for many years past. It is a hybrid tea variety which originated in England. Blooms are very large in size, full double and of perfect shape; color, creamy white flushed and tinged with pink, especially at the edges of the petals which are shell shaped. It was awarded eight prizes at the great English floral exhibition. Blooms freely; is of the sweetest fragrance, and is just the thing for wearing. Each 20c; two-year-old plants, each 35c.

Etoile de France. This great French Rose well deserves its name, "Star of France." It makes a fine upright bush, has beautiful deep-green foliage, and the flowers, which are glorious in their form and fragrance, are borne with amazing profusion—in fact it is always in bloom. Large, massive, deep full, cup-formed flowers are produced singly on long, stiff stems, while the color is absolutely new—clear red or crimson velvet, and the fragrance is exquisitely sweet. It's a gem of the first water. Each 20c; two-year-old plants, each 40c.

Yellow Cochet. The cochets are the hardiest of the everblooming roses. They winter with only slight protection. The buds are peculiarly long and pointed and open into very large flowers. The color of this variety is deep sulphur yellow, and is generally accorded first place among yellow roses for outdoor planting by rose specialists. It makes a good plant, and bears abundantly. There is continuous popular demand for yellow everblooming rose of adequate hardiness, and we offer the Yellow Cochet to meet this want. Each 15c; two-year-old, each 35c.

Champion of the World. Champion in form, champion in color, champion in production of bloom. Claimed to produce more flowers during a season than any other variety of rose. The illustration hardly equals in beauty the

flower as the blossoms are perfectly double to the center. Color is a bright, rich deep pink, shining and beautiful, not surpassed in loveliness by any other variety. Grows a fine bush, with deep green foliage and will be the cherished favorite with everyone who plants it. Each 15c; two-year-old plants 30c.

American Beauty Rose Collection

Who has not heard of the American Beauty, the rose famed in story, poetry and song? The cut flowers are frequently sold during the winter at \$10.00 to \$25.00 per dozen. What flower lover has not hoped some day to have a "garden of roses" with American Beauties galore? This collection is given very popular and we are growing vast numbers of plants for the immense demand. Read carefully the list of varieties fully described in the Plant List and notice the low prices. **American Beauty, White American Beauty, Black Beauty, Striped Beauty, Pink Beauty, and Moss Beauty.**

SPECIAL: One strong plant each of the above six roses for 75c. One large two-year-old plant of each for \$1.50. By mail to any town in the United States.

"Complete Garden Collection"

35 Varieties Best
Garden Vegetables

FOR \$1.00

All Good Desirable Sorts
Sure to Please You

Consists of one full sized packet each of Improved Golden Wax Beans, Old Homestead Pole Beans, Eclipse Beet, Henderson's Snowball Cauliflower, Washington Wakefield Cabbage, Shortstem Drumhead Cabbage, Oxheart Carrot, White Plume Celery, Early Sunrise Corn, Country Gentleman Corn, Emerald Cucumber, Improved Ground Cherry, American Mammoth Brussels Sprouts, Monarch White Rice Pop Corn, Continuity Lettuce, Improved Hanson Lettuce, Rocky Ford Musk Melon, Duke Jones Water Melon, Large Red Wethersfield Onion, Mammoth Prizetaker Onion, Iowa Challenge Peas, White Icicle Radish, Rosy Gem Radish, Improved Table Guernsey Parsnip, Market Gardener's Parsley, Ruby King Pepper, Early Crook-neck Squash, Hester Squash, Bloomsdale Spinach, Mammoth Sandwich Island Salsify, New Stone Tomato, Matchless Tomato, White Egg Turnip, Purple Top Strap Leaf Turnip, Monarch Ruta Baga, and Garden Lemon.

Total of 35 Full Sized Packets Sent Postpaid for \$1.00

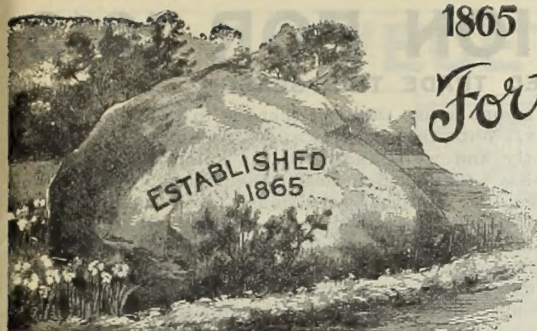
At Our Regular Price They Amount to About Two Dollars

NOTICE: These collections are all put up ready for mailing before our busy season begins, and therefore cannot be changed or divided. Varieties described in Vegetable Seed Dept.

It is a Bargain. Can a Dollar be better Invested?

The best investment I ever made with one dollar was this spring when I sent to you for garden seeds. I wish you could see my garden, it is just grand.—Mrs. David Horton, Caseville, Mich.





1865 Forty-eight Years Successful Business! 1913

Des Moines, Iowa, January, 1913.

To Our Customers:

The year 1912 was the most successful in the history of our house, and for this we are extremely grateful to our thousands of friends, who have made this possible with their confidence and patronage. We are delighted, too, with the thought that our patrons have harvested bountiful crops because it means that there will be a continued advance in the standard of living among our people and an added appreciation of the purity and quality of our **CHOICE IOWA SEEDS**.

The people of the United States are continuously advancing and are demanding in all lines better service. Competition among business houses is no longer simply a question of selling price but the larger competition is now based on quality. It is in this competition we want a place, and it is with a view to giving friends and patrons better gardens, better farms, and better homes that we want to be known as

"SEEDSMEN TO THE AMERICAN PEOPLE."

BY THIS WE MEAN NOT ONLY NATIVE BORN AMERICANS, BUT ALL RESIDENTS OF THIS COUNTRY

You Are Safe in ordering Seed Corn, Clover Seed, or any other seed from us, as you are protected by our

\$10,000 GUARANTEE BOND

as you will note by the following:

OFFICE OF CENTURY SAVINGS BANK

DES MOINES, IOWA, Nov. 1, 1912

TO WHOM IT MAY CONCERN:

This certifies that the Iowa Seed Company of this city has deposited with us a bond for TEN THOUSAND DOLLARS (\$10,000) as a guarantee to any one ordering seeds from them, where cash accompanies order, that if any seeds are found to be unsatisfactory upon examination or test, they may be returned within ten days from date received and the money which has been paid for same will be promptly refunded.

L. E. STEVENS, President.

After the seed arrives examine it, test it, or have it inspected and tested by the State Seed Inspector, the State Botanist, or the U. S. Department of Agriculture. Then you be the judge. If their report or test is not satisfactory, or if for any reason, or without any reason, you want to return the seed to us within ten days from date received, we will return your money promptly without quibbling. Can any offer be fairer?

We want your trade on the combined basis of quality and price; quality first, price next. We have been in business many years, we are growers of seeds and we know what cost of production is as it varies from year to year. We know what it costs to maintain and increase our plant and what it costs to operate each season. We might furnish seeds at lower prices if we would be content to save all the crops for seed instead of culling closely to maintain excellence and purity; if we were willing to employ cheap, unskilled labor and forego the work required to clean and grade our stocks; if we would reduce the sums of money expended to keep our plant to its highest efficiency and for the purposes of testing and crop inspection. We believe that our friends want the very best service they can obtain, and are willing to pay a fair price for such service if honestly rendered. We know from tests covering many years that our seeds are not surpassed in quality and that for the quality given our prices are very low. You don't want poor seeds at any price, and all we ask is a moderate return for our efforts to supply first quality stocks, not only in seeds but in all the various lines we handle. Our crops this year are generally good, though some few items are rather short, but we believe we have ample stocks for our trade, and solicit your orders, believing you will be more than satisfied with results.

CHAS. N. PAGE, Pres. M. KURTZWEL, 1st Vice Pres. E. T. PEIRCE, 2nd Vice Pres. J. N. ALBRIGHT, Treas. GEO. L. KURTZWEL, Sec.

SUGGESTIONS TO CUSTOMERS

Our constant aim is to make the highest quality the first consideration, and next to put our prices as low as good seed can be sold.

Order Early: The best time to order is just as soon as you receive this catalogue, as we can always give your orders more of our personal attention if they come in before the rush of the spring trade. Please use the order sheet, as it makes it more convenient for us in filling orders. You will note there are two order sheets enclosed; one for seeds, tools and miscellaneous goods, and the other for plants, bulbs and nursery stock. If you will use them as intended, it will greatly facilitate the execution of your orders. Terms are invariably cash with order, as we keep no book accounts in our mail order department, and the expense of sending goods C. O. D. is quite large. Postage stamps received the same as cash.

Shipping: There are five express companies and fifteen railroad lines at Des Moines, so that quick shipments can be made to any town in the United States.

Charges Prepaid: All Vegetable and Flower Seeds, Bulbs and Plants, except those noted, are sent prepaid by mail or express by the quickest and most direct routes, unless ordered otherwise, and we guarantee the safe arrival. Seeds sold by the peck or bushel, Field Seeds, Potatoes, Implements and other heavy goods are sent by freight or express, customers paying charges. Remember seeds go at special rates by express.

Delivery: The point of delivery of all goods is on cars at Des Moines. When we quote a delivery price it means simply that we pre-pay the freight, express charges or postage. Many of our farmer customers live at railroad stations where there are no agents. In such cases we must request them to send sufficient money to prepay freight charges on heavy shipments; also in cases where perishable or other goods are ordered to be sent by freight or express to such great distances that cost of transportation will nearly or quite equal the value of the goods.

Discounts: We have this year made the prices in this catalogue as low as our high grade seeds can be sold, and we can give no discounts. In ordering seeds in bulk you may deduct ten cents per pound on vegetable seeds, such as are listed prepaid, if you are willing to have them sent by express or freight at your expense.

Premiums: Each year we put up thousands of packets of new or particularly desirable varieties of seeds for free distribution to our customers. We will send these out with the seeds ordered by you and will treat you liberally in this respect. We shall also try to please our plant customers by adding something to their order when shipping it.

Our Responsibility: As this book will probably go into the hands of some who are unacquainted with us, this question will naturally arise, and in answer to same we refer you, by permission, to the Century Savings Bank of this city, to the postmaster, or to any express company.

What We Guarantee: That all money sent to us for seed shall reach us if sent us by registered letter, postoffice or express money order, or bank draft, made payable to our order. That your order will be filled promptly and well. That goods ordered will reach you safely. Keep a copy of your order. Sometimes persons think they have ordered articles which they have omitted, and blame us for not sending them.

About Warranting: We thoroughly test all our seeds and nothing is sent out which we do not believe to be good in every respect. When it is considered how many are the contingencies on which the success of any crop depends, such as sowing too deep or too shallow, too wet or dry soil, unfavorable weather, insects, etc., our customers will readily see that it would be sheer folly for anyone to warrant seeds to produce a perfect crop, and we want it plainly understood that while we exercise great care to have all seeds pure and reliable, and also true to name, we do not give any warranty express or implied as to description, quality, productiveness, or any other matter of any seeds, bulbs or plants we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the seeds on these terms and conditions, they are to be returned at once, and the money that has been paid for same will be refunded. No officer, agent or employee of this company is authorized to make any warranty whatsoever. However, we have so much confidence in our seeds that we hereby agree to refill any retail order for vegetable or flower seeds free of charge should they prove otherwise than as we represent them. We know of no responsible seed firm in the world which guarantees seeds any further than this. Compare with other seed catalogues and you will see that we are right.

Market Gardeners and others who buy vegetable seeds in bulk to the amount of \$5.00 or more are requested to send their list of seeds wanted to us and let us make special quotations.

Plant Orders: Orders for plants will be filled as early in the spring as we consider it safe to send them. If ordered for immediate shipment in severe weather they will be sent at purchaser's risk.

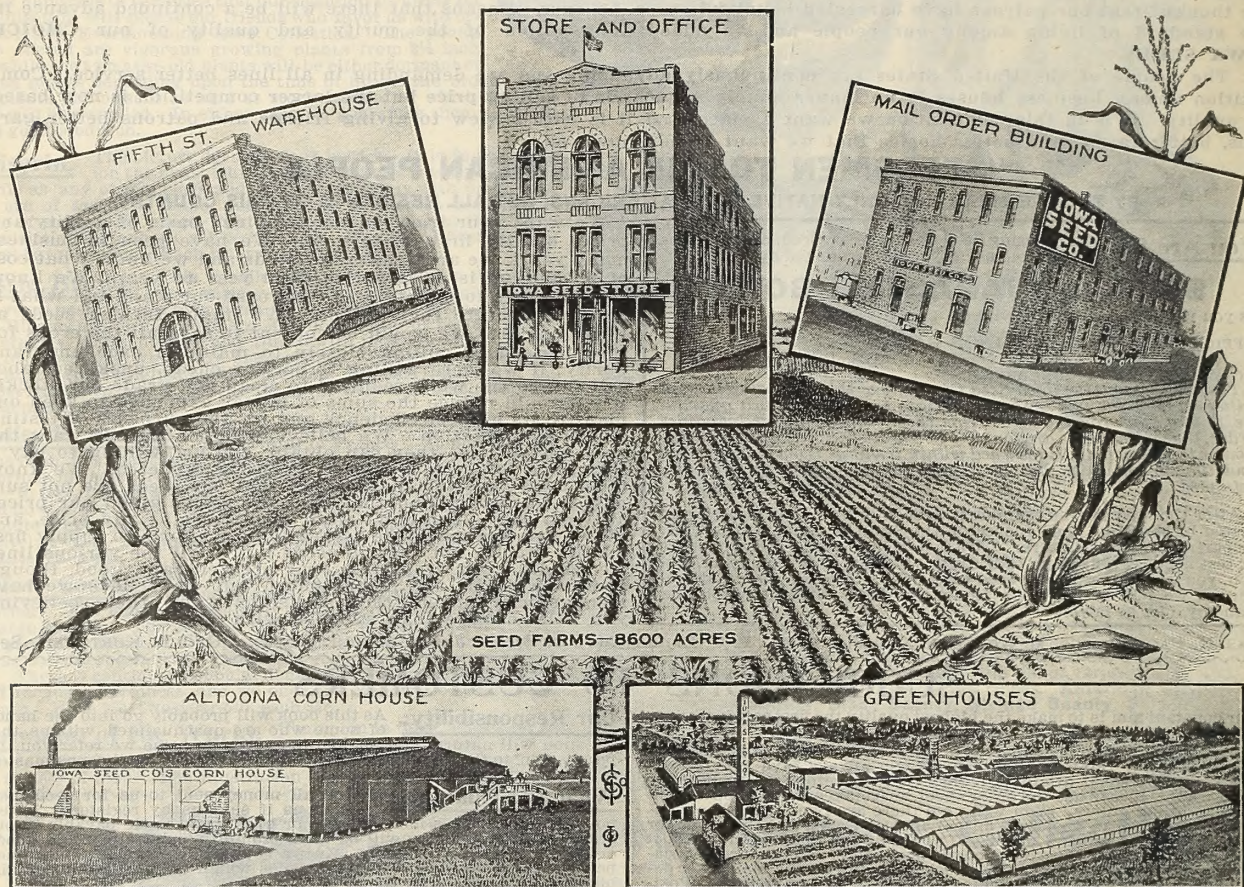
Small Orders: We take pains to fill orders promptly and correctly, no matter if only for but one packet of seeds, but we request that plant orders amount to at least 25 cents, and nursery stock to at least 50 cents, as otherwise they are filled at a loss to us.

EXPECTED EXPANSION FOR 1913

HOW WE HAVE PREPARED FOR INCREASED TRADE THIS SEASON

We have made but few improvements or additions to our equipment this past year, but enough has been done in each department to place it in readiness to handle an increased trade of at least 40 per cent over last year. In 1912 we exceeded even our most sanguine expectations in volume of business, but as we have had a steady growth each year since 1908, we believe this growth is to continue and have prepared accordingly. Our strength for the coming year lies in our personal organization. In each department we have employed new people of ability to assist our trained experts of many years' experience. We have most carefully selected these people as our business now demands a larger force of permanent employees whose value to us and to our customers increases with each year of service. We take great pride in our employees and they in

turn give to our house the best there is in them in service and loyalty. With these people at your command, to serve you honestly and well, and with the splendid equipment which we have furnished to assist them in their work, we feel assured that no other seed house in the country will serve you better or at less expense to you. We have immense stocks of the finest seeds in our elevator and warehouses. Our greenhouses are filled with vigorous young plants of exceptional strength and beauty. Our organization is strong; full of energy and the spirit of service; and our entire equipment is thoroughly up to the minute in readiness to care for your orders. We want your business, with the promise to do our best to make our trading mutually profitable.



OUR ESTABLISHMENTS

THE IOWA SEED STORE is so well known in Des Moines that it would be difficult to find even a child in this city of 100,000 inhabitants who does not know its location. It occupies the large building at 613-615 Locust street, within a few blocks of the postoffice, express offices and the principal railroad passenger stations. The large store room is full of interest to everyone who has a farm or garden, or who loves flowers. Here are located the offices and correspondence department. During the busy season we receive 2,000 to 7,000 letters every day. We are always glad to have our customers call and see us.

THIRTY-TWO GREENHOUSES erected during the past few years are devoted to growing plants for the mail order trade, and contain a greater variety of plants than any other greenhouse establishment in the west. They are located convenient to the electric car line, fronting five blocks on 31st street, from Center street north to Kingman Boulevard, one of the finest driving streets in the city. Here we devote fully twelve acres to flowers, making the finest display to be found in the west.

MAIL ORDER BUILDING is located at 208-210-212 South Eighth street, about six blocks from our store. The railway tracks beside the building give us excellent facilities for handling carload lots, and we are centrally located

between the various freight depots so that small shipments can be made promptly. Our machinery is operated by five electric motors, and we claim that our mills for cleaning seed cannot be surpassed. We can readily fill 2,000 to 4,000 orders per day in this building, and they are handled in such a careful way that errors seldom occur. Most of our employees have been with us many years, and no "green hands" handle seeds in bulk.

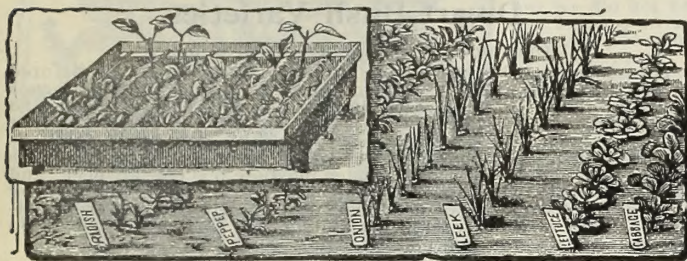
THE WAREHOUSE on South Fifth street we have occupied for many years for storage purposes only. Large lots of seed which come in after harvest are thoroughly cleaned and then put away in this building for the spring trade.

SEED CORN HOUSE.—We have a very large trade in seed corn and to care for it properly we erected this building on our seed farm at Altoona. We now have capacity for 25,000 bushels of seed corn, every ear of which can be given the personal inspection of an expert.

OUR NEW GRAIN ELEVATOR.—Just completed at Altoona, with 12-bin capacity, for caring for our seed grain, the demand for which is expanding to enormous proportions. Photograph on page 39.

SEED FARMS.—It requires the seed crop from about 8,600 acres to supply our trade and the farms are widely isolated so as to avoid any mixtures. Some seeds cannot be grown to advantage here, and we contract with practical seed growers elsewhere to grow for us.

VEGETABLE SEEDS



SEED TESTING AND TRIALS

up to the standard of purity and excellence, and are of the highest vitality, and the result is that we rarely have complaints as our **Choice Iowa Seeds** are sure to please.

ASPARAGUS

(One ounce will sow forty feet of drill. For asparagus roots, see page 38.)

Asparagus is so easily grown and such a large quantity is produced on a small amount of ground that every garden should contain a bed. A bed ten feet square requiring 50 plants will give abundant supply for any ordinary family. Soak the seed 4 hours in tepid water; sow early in spring in rows a foot apart; keep clean by frequent weeding and hoeing. Ask for free circular giving instructions for making an asparagus bed.

COLUMBIAN MAMMOTH WHITE.—A new and entirely distinct variety, that produces shoots which are white and stay white as long as fit for use. Is more robust and vigorous in habit, and throws up larger shoots and fully as many as Conover's Colossal, and requires no earthing up in order to furnish the white shoots so much sought after. Per pkt. 5c; oz. 10c; ¼ lb. 20c, lb. 60c.

PALMETTO.—Stalks frequently measure 2 inches in diameter, and even when 12 inches long are perfectly tender when cooked. Pkt. 5c; oz. 10c; ¼ lb. 20c, lb. 60c.

CONOVER'S COLOSSAL.—The standard variety. Pkt. 5c; oz. 10c; ¼ lb. 20c, lb. 50c.

ARTICHOKE

This vegetable is a great delicacy, highly valued in all parts of Europe, and also one of their most prominent table vegetables in California and other parts of this country. It is a perennial producing the large flower heads, which are the part eaten, the second season and every year thereafter. The young stalks are also sometimes tied and blanched like celery, but they are not equal to the flower heads. Cook like asparagus and serve with cream or butter sauce. Sow seed early in hotbeds or box in the house, and when weather becomes settled transplant in rows four feet apart and two feet in the row. When started early sometimes blooms the first year.

LARGE GREEN GLOBE.—The best variety for general use; buds large; scales green; very thick, fleshy. Pkt. 10c; oz. 35c, ¼ lb. \$1.00.

BORECOLE, or KALE

(One ounce will produce about 3,000 plants.)

LARGE GREEN GLOBE ARTICHOKE

Is a hardier vegetable than the cabbage; excellent for greens during winter and spring; splendid food for poultry. Cultivate like cabbage.

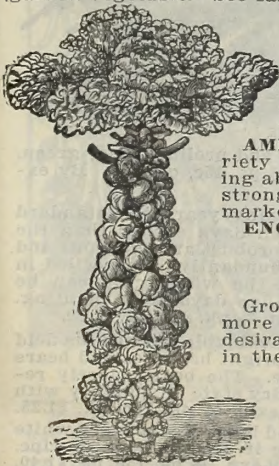
EXTRA CURLED MOSSBACK.—A most attractive variety; fine crimped leaves, light green, admirable for garnishing. Best cooking. Pkt. 5c; oz. 10c; ¼ lb. 30c, lb. 85c.

DWARF GERMAN GREEN, or Siberian.—Popular. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

THOUSAND HEADED.—Grown mainly for forage, but also an excellent garden vegetable. See farm seed department. Pkt. 5c; ¼ lb. 20c; lb. 50c.

BRUSSELS SPROUTS

(One ounce will produce about 3,000 plants.)



BRUSSELS SPROUTS

Of the cabbage family, producing numerous heads on the stem, of most delicious quality, as well as cabbage-like head at the top. Use and cultivate the same as winter cabbage.

AMERICAN MAMMOTH.—A new and greatly superior variety of American growth which forms heads ready for picking about three weeks earlier than other varieties. It makes stronger plants and more heads. A profitable crop for market gardeners. Pkt. 10c; oz. 35c; ¼ lb. \$1.00.

ENGLISH.—Pkt. 5c; oz. 15c; ¼ lb. 45c.

BROCCOLI

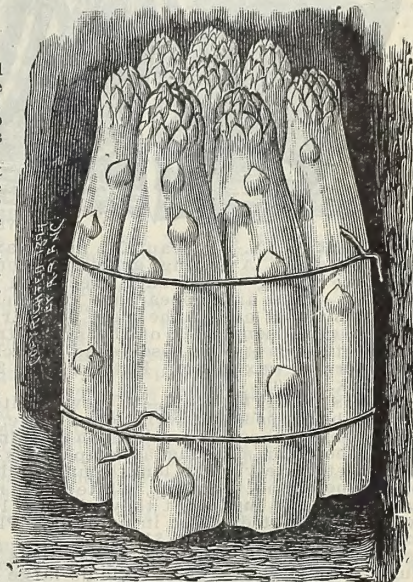
(One ounce will produce about 3,000 plants.)

Growth and habit like the cauliflower, except that it is more hardy, and the heads are not as compact. It is not desirable for warm or dry countries, but is of special value in the north. Cultivate and use the same as Cauliflower.

EARLY LARGE WHITE.—The most popular sort. Has medium sized creamy white heads. Pkt. 5c; oz. 35c.

We have never had a failure from your seeds. — David A. Haviland, Humboldt, Iowa.

I have used your seed several years and find they always come up and thrive better than any other seed I have ever tried. — Mrs. B. P. Haynes, Hope, Ark.



COLUMBIAN MAMMOTH ASPARAGUS



EXTRA CURLED MOSSBACK KALE



EXTRA LARGE WHITE BROCCOLI

ASPARAGUS ROOTS ARE OFFERED ON PAGE 38. YOU SAVE A YEAR'S TIME BY PURCHASING ROOTS

BEANS

Dwarf Bush Varieties

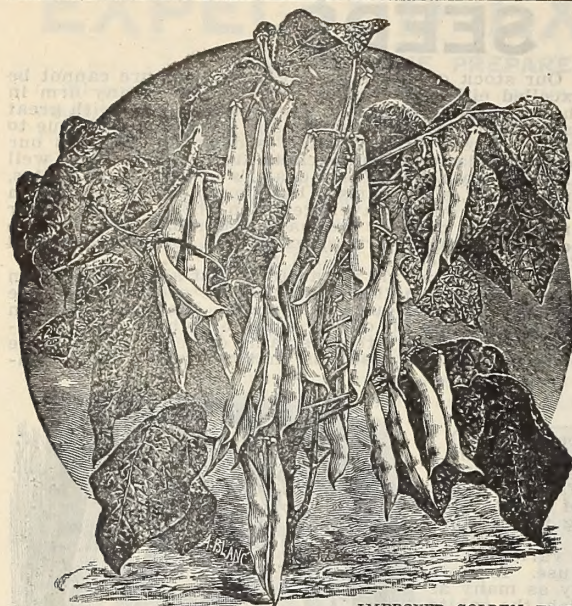
(One quart will sow 100 feet of drill.)

Dwarf or bush beans require no support and should be planted in drills an inch and a half deep and drop the beans three inches apart in drills. Beans are tender annuals and cannot be planted until danger of frost is past. A sandy loam is the best. The half pint packages will be found very desirable for small families. We furnish pints at one-half the quart price. Packages contain about two ounces. Price includes postage except at peck and half peck rates. Deduct 15c from quart rate if to be shipped by express. All varieties of beans are scarce owing to the crop failure in many sections and you should order early to be sure you get the variety you want.

WAX POD SORTS

IMPROVED GOLDEN WAX.—In spite of all the new sorts of beans being introduced every year, our trade calls for more Golden Wax than any other variety. This great popularity is due largely to the fact that the variety we have is a great improvement on the old Golden Wax, having larger pods and being more prolific. This improved stock is one of the handsomest beans we have ever seen, the pods a dark, rich golden yellow color and of perfect shape. For family or market you make no mistake in planting them. Pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 45c. By express, $\frac{1}{2}$ pk. \$1.00, pk. \$1.75.

GERMAN BLACK WAX.—This strain of Black Wax is in our opinion superior to that generally offered. Pods tender, round, fleshy and stringless. Pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 45c. By express, $\frac{1}{2}$ pk. \$1.00, pk. \$1.75.

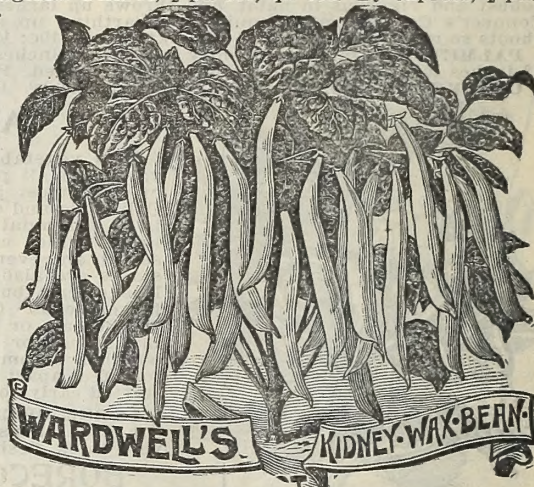


IMPROVED GOLDEN WAX

SILVER WAX.—A beautiful new wax bean with pods of peculiar silvery color. A strong grower, vigorous, early and very prolific. Pods are round, very tender, free from rust and diseases and the attractive shape and appearance together with its valuable qualities should make it one of the most popular beans on the list. Our illustration gives some idea of the symmetry of the pods but we cannot convey the beauty of these beans in such a picture. Recommended to all lovers of wax beans. Pkt. 5c, $\frac{1}{2}$ pt. 20c, qt. 50c. By express, $\frac{1}{2}$ pk. \$1.10, pk. \$2.00.

DAVIS WHITE WAX.—A new white, rustless, productive, wax-podded bean; pods flat, very long, white, straight and handsome; seeds clear white; excels all others in hardness and productiveness. One of the best for shipping as snap beans and of the greatest value as a market variety. The length, uniformly perfect shape and fine color of the pods and the clear, white seed, make this one of the best for canners. It is just what they want: a long, straight, clear white pod which does not discolor in canning. Pkt. 5c, $\frac{1}{2}$ pint 15c, qt. 45c. By express, $\frac{1}{2}$ pk. \$1.00, pk. \$1.75.

WARDWELL'S KIDNEY WAX.—One of the earliest and most productive of all wax beans. Yields large crop of long, nearly straight, broad and creamy white, handsome pods. They are of good quality and always command a ready sale. Pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 45c. By express, $\frac{1}{2}$ pk. \$1.00, pk. \$1.75.



GREEN POD SORTS

STRINGLESS GREEN POD.—A stringless green pod bush bean. Surpasses all others in crisp, tender flavor. Finely shaped, long green pods, absolutely stringless; ready to market two weeks earlier than the Valentines. Of immense value, not only to market gardeners but also to amateurs who seek a rare quality early bean for home use. Pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 45c. By express, $\frac{1}{2}$ pk. \$1.00, pk. \$1.75.

EARLY REFUGEE, or Thousand to One.—Most prolific green podded sort, thick and fleshy. This is a splendid green pod variety. It has been a standard sort for many years, and its popularity is based upon its productiveness. Without question it will yield greater returns than most green pod varieties. Pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 40c. By express, $\frac{1}{2}$ pk. 85c, pk. \$1.50.

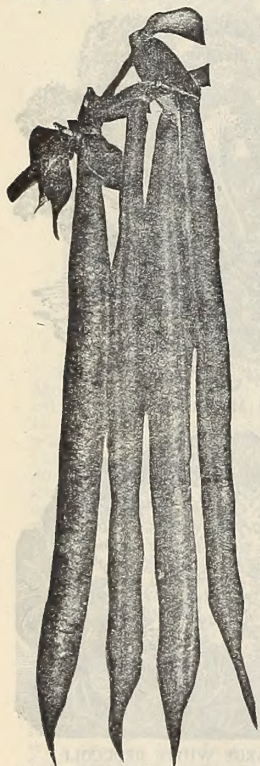
LONG YELLOW SIX WEEKS.—Very early and prolific; long, green, tender, flat pods; matures quickly. Pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 40c. By express, $\frac{1}{2}$ pk. 75c, pk. \$1.25.

IMPROVED EARLY VALENTINE.—For many years the standard green pod variety. Very popular. About ten days earlier than the common Early Valentine. In addition, is more robust and vigorous and produces the true, round, curved pods very abundantly. Unexcelled in quality and uniformity of ripening; nearly the whole crop can be taken at one picking, usually within thirty-five days after planting. Pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 40c. By express or freight, $\frac{1}{2}$ pk. 85c, pk. \$1.50.

PROLIFIC TREE, or California Branch.—A valuable variety for field culture. Grows about 20 in. high, has stiff, upright branches and bears immensely; sometimes yields 45 bu. per acre. The beans closely resemble White Navy and are marketed in the dry state on equality with that variety. Pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 40c. By exp., $\frac{1}{2}$ pk. 70c, pk. \$1.25.

LARGE WHITE MARROW.—Fine as shelled bean. Beans ivory white and double as large as Navy. Especially fine if used as soon as ripe, boiled or baked. Pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 40c. By exp., $\frac{1}{2}$ pk. 75c, pk. \$1.40.

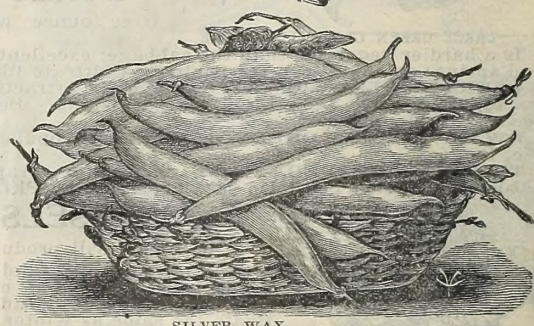
IMPROVED NAVY, or Boston Pea.—An improvement over the old-time Navy Bean. Pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 40c. By exp., $\frac{1}{2}$ pk. 70c, pk. \$1.25.



STRINGLESS GREEN POD



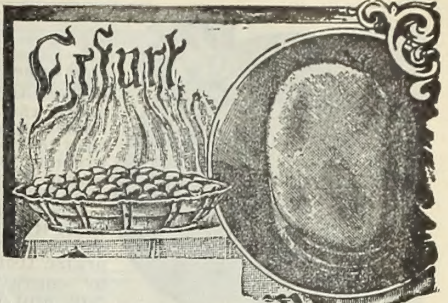
IMPROVED VALENTINE



SILVER WAX

**BEANS==Continued**

ERFURT EARLY PROLIFIC BROAD.—We have had inquiries from our customers who formerly lived in England for the English Broad Beans but we did not handle them, as the leading variety, the Broad Windsor does not succeed well in this country. When traveling through England we found that they had a greatly improved variety which was very much earlier, more prolific and resisted drouth and rust better than any other kind and we therefore secured a supply of them. This new variety has from five to nine beans of large size and delicate flavor. The plant is of robust, upright growth, entirely different from any ordinary variety of beans. Pods measuring 10 to 12 inches in length are not uncommon and they are broad and of handsome appearance. Plant in rows about two feet apart, and six inches apart in the row, covering 1½ to 2 inches deep. Top of stalk should be nipped off as soon as plants begin to flower, as this induces earliness. Pkt. 10c, ½ pt. 20c, qt. 50c, postpaid. By freight, ½ pk. \$1.10, pk. \$2.00.



BURPEE'S BUSH LIMA.—A dwarf of bush form of the true large Lima which is of great value. They are of bush form, growing 18 to 20 inches high, of stout, erect growth, yet branching and vigorous; an immense yielder. Does not always mature dry shelled beans here, but yields a crop of green ones. Pkt. 5c, ½ pt. 15c, qt. 45c. By express, ½ pk. \$1.10, pk. \$2.00.

CHINESE SAGO BEANS.—A very small variety from China, which is quite a curiosity. Pkt. 10c, ½ pt. 30c.

POLE BEANS

Plant from five to six seeds in each hill, about two inches deep; one quart will plant 100 to 150 hills.

OLD HOMESTEAD.—Is also known to some of our customers as Kentucky Wonder. Increasing in popularity each year. We recommend it as among the most productive varieties, while for snap beans it is unsurpassed in quality. If you can find any place for pole beans give this variety a trial. It has reached first place on the list solely on its merit as it is enormously productive, pods hanging in great clusters from top to bottom of pole. Entirely stringless; pods of silvery green color. Can be grown with corn to good advantage. Pkt. 5c, ½ pt. 15c, qt. 45c; by express, ½ pk. \$1.00, pk. \$1.75.



OLD HOMESTEAD

profusely its long, golden yellow pods in clusters of three to six, from bottom to top of pole, and continues in bearing from the middle of July till the vines are cut by frost. Pods are seven to eight inches long and three-fourths of an inch in width. They are quite flat but fleshy, absolutely stringless, very brittle and delicious. Crop very small this year and may not be sufficient to supply the demand. Pkt. 5c, ½ pt. 15c, qt. 50c. By express, ½ pk. \$1.25, pk. \$2.25.

KING OF THE GARDEN LIMA.—An improvement on the large White Lima, producing a continuous bloom and fruitage to the end of the season. Pods are of enormous size. Pkt. 5c, ½ pt. 20c, qt. 50c; by express, ½ pk. \$1.10, pk. \$2.00.

WHITE DUTCH CASE KNIFE.—Yields an immense crop of handsome flat white beans of excellent flavor. Cooks easily. Pkt. 5c, ½ pt. 15c, qt. 45c; by express, ½ pk. \$1.00, pk. \$1.75.

YARD LONG.—A great curiosity but withal an excellent variety. Produces pods 18 to 24 inches long. Specimens in our trial grounds last season reached the enormous length of four feet. Splendid for use in green state as the pods are exceedingly tender and of fine flavor. Pkt. 10c, ½ pt. 35c.

SCARLET RUNNER.—Valuable for table use or as an ornamental vine. Pkt. 5c, ½ pt. 20c, qt. 55c; by express, ½ pk. \$1.25, pk. \$2.00.

ARABIAN RUNNER.—Similar to the Scarlet Runner. Flowers white, striped scarlet. Pkt. 5c, ½ pt. 20c, qt. 75c.

You will find white beans for field culture quoted by the bushel in farm seed department.

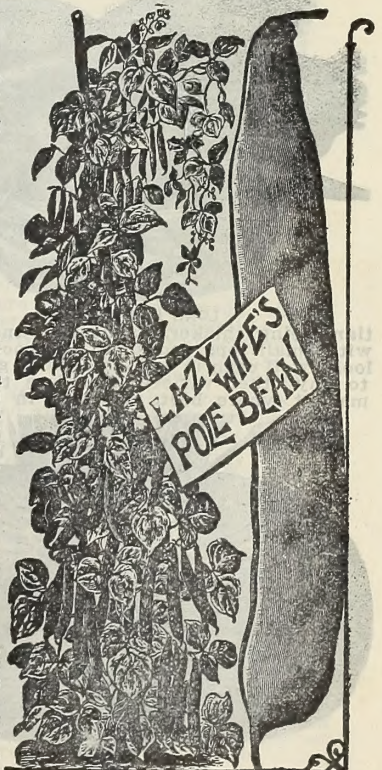
I have always been well pleased with seeds received from you and can recommend them to anyone desiring first class seeds.—Mrs. Elsie Ratcliff, Geneva, Iowa.

I wish to thank you and tell you what I think of your seeds. I have the acknowledged finest garden in all our neighborhood. I have told my neighbors about your house.—Mrs. A. J. Darrow, Dixon, Ills.



GOLDEN CLUSTER WAX

Remember that we prepay the postage at the quart rates.



IT ONLY TAKES A LITTLE EXTRA WORK FOR POLE BEANS. THEY YIELD HEAVIER THAN DWARF KINDS

BEETS

One ounce sows 50 feet of drill; 4 to 6 lbs. for one acre.

For early, sow as soon as ground can be worked, and about the middle of May for general crop, in drills 15 inches apart and 1½ inches deep. As the plants grow, thin to 6 inches in drills. Young plants make excellent greens. Seed will germinate more freely if soaked in warm water twenty-four hours before sowing; but care should be taken not to plant soaked seed in very dry ground. The soil should be a deep, rich loam.

IMPROVED MARKET GARDENERS.—Undoubtedly one of the best varieties ever introduced, and receives much praise from our customers each year. As will be noted by engraving, it is very symmetrical, with small tap root and but few fibrous roots. Unusually small tops. Although on some soils the Egyptian can be marketed a few days before the Market Gardeners, still within a week it will be found larger than the Egyptian, while it continues to grow until late in the fall, attaining a large size, and making a good eating and selling beet for the winter. One sowing only is necessary to produce early beets for market and main crop for winter use, which is not the case with any other variety. Color deep blood red; fine grained and unsurpassed in quality. Summing it all up, we find in it the best beet for early market, the best beet for winter use. Owing to the small tops permitting them to grow close together, and the popular shape of the bulb, it is the most profitable beet for market gardener and family gardens. Pkt. 10c, oz. 20c, ¼ lb. 60c, lb. \$2.00.

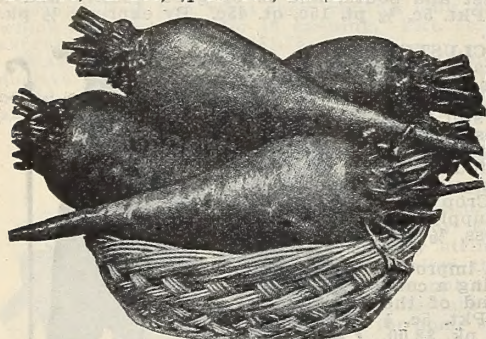
DETROIT DARK RED.

One of the best varieties grown for main crop. The roots are round, very smooth, of good marketable size, and for table use no variety can excel it in fine quality. The skin is deep blood red; the flesh is also dark red and is sweet and tender. Pkt. 5c, oz. 20c, ¼ lb. 50c, lb. \$1.75.

DEWING'S IMPROVED BLOOD TURNIP.—Improvement on the old Early Blood Turnip. Globe-shape, deep blood red color, fine flavor, a good seller and generally considered the most desirable variety for main crop and winter use. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.

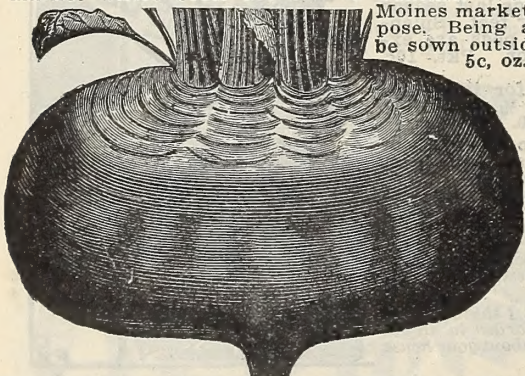
GOLDEN GLOBE.—A choice European variety fully equal, and by many considered superior to the red sorts in sweetness and flavor, but both the skin and flesh are of bright yellow color. When cut up in a dish with the red beets, they make a handsome contrast. They mature early and are so sweet and nice that they should become popular. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25.

LONG DARK BLOOD.—Our stock of this standard sort is greatly improved, smooth, sweet and tender. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.



LONG DARK BLOOD

tian, being thicker, handsomer and more regular in shape, smooth with small tops and small tap root. Takes on its turnip shape and looks well even in early stages of growth. It is preferred for forcing to any other variety, therefore this is a decided advantage for a market where beets are sold in bunches. Very popular with Des Moines market gardeners for this purpose. Being a rapid grower it may be sown outside as late as July. Pkt. 5c, oz. 20c, ¼ lb. 50c, lb. \$1.75.



CROSBY'S IMPROVED EGYPTIAN



EARLY CRIMSON GLOBE.—A very early variety, of spherical form. Skin very smooth and it is as handsome a beet as you can imagine. It is of rich, deep red color, shading to purple. Its flavor cannot be surpassed. When cooked it is of even, dark color throughout, and is attractive when on the table. Of uniform shape and size. Pkt. 5c, oz. 15c, ¼ lb. 45c, lb. \$1.50.

ECLIPSE.—This variety has become exceedingly popular and is one of the best early sorts. It possesses all the qualities requisite in a first-class beet, and is of a uniform globular shape. The roots are a bright, glossy red, fine grained and delicious. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25.

MIXED TABLE BEETS.—Containing several varieties which will mature in succession so that one planting will give a supply all summer. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.

CROSBY'S IMPROVED EGYPTIAN.—We believe this to be the earliest variety. Great improvement on the old Egyptian.

Chard beets are growing in popularity. As two different dishes can be prepared from a single plant its utility is at once apparent. From our illustration will be noted the thick, broad stalks, as large as rhubarb, which are prepared and served in the same manner as asparagus. The leaves are used for "greens"; considered by many superior to spinach for this use. When grown on rich soil enormous stalks and leaves are produced, exceedingly tender and easily prepared. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25.

GIANT LUCULLUS CHARD.

Chard beets are growing in popularity. As two different dishes can be prepared from a single plant its utility is at once apparent. From our illustration will be noted the thick, broad stalks, as large as rhubarb, which are prepared and served in the same manner as asparagus. The leaves are used for "greens"; considered by many superior to spinach for this use. When grown on rich soil enormous stalks and leaves are produced, exceedingly tender and easily prepared. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25.



GIANT LUCULLUS CHARD BEET

SWISS CHARD, or Silver Beet.—The dark green leaved variety. Is superior to common beet for greens. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25.

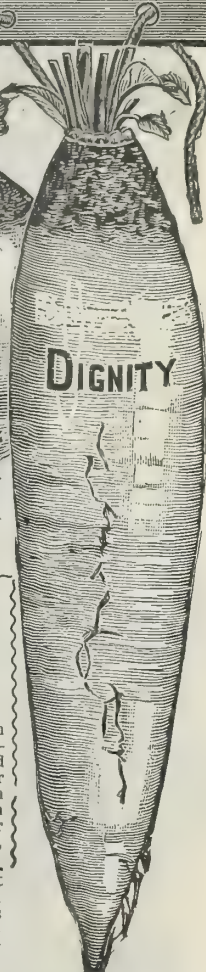
GROW MANGELS, CARROTS, RUTA BAGAS AND OTHER ROOTS FOR STOCK. THEY MAKE GOOD FEED

MANGEL & SUGAR BEETS FOR STOCK.



EXTENSIVELY grown in all parts of the country for feeding stock. Sow in April or May in drills three feet apart, and thin to ten inches in the row. If your soil is deep and mellow, try the long varieties; if shallow the round kinds will do better. No crop pays the farmer and stock raiser better than mangels; 1,000 bushels to the acre is an ordinary yield, while, with good culture, 2,339 bushels have been grown to this amount of ground. It costs, counting labor, use of ground and everything, less than \$50 to raise an acre of mangels and gather and store them. This, for an ordinary yield, is a cost of only five cents per bushel. They make the cheapest of foods for all kinds of live stock—horses, cattle, sheep, pigs, chickens, etc. Easily grown, and they help to keep stock in good condition and free from disease. Dairymen claim that a bushel of mangels and a bushel of corn are worth more than two bushels of corn. Full directions for culture and storing mangels, will be sent on application. Use five pounds to an acre. Prices quoted by express are not prepaid.

PRICES
are extremely high this season owing to crop failures. Considering conditions our prices are low.



COLLECTION —OF— MANGELS.

One ounce each of the eight varieties of Mangels and Sugar Beet for 50c; ¼ lb. of each \$1.40; 1 lb. of each \$4.00 postpaid, or \$3.00 by express, not prepaid.

MAMMOTH GOLDEN GIANT.—An improvement on the long yellow mangel, being of considerably greater size, more than half above ground and of a more grayish or rather russet yellow. Remarkably even in shape, rather elongated, of vigorous growth; has a fine neck and very smooth skin; flesh white, firm and sweet; much liked by cattle. It is a most excellent keeper; yields 40 to 60 tons per acre. Oz. 10c, ¼ lb. 20c, 1 lb. 60c. By express, not prepaid, 5 lbs. for \$2.25.



CHAMPION YELLOW GLOBE.—The finest type yellow globe in cultivation. Roots immense size, fine shape, small tap root, neat top. Flesh being very firm and fine grained renders it an excellent keeping variety. Well adapted to shallow soils and has a record of producing **100 TONS PER ACRE.** This immense crop was grown by sowing seed in drills 14 inches apart and thinning to 10 inches in the row. Our seed of this variety is particularly choice. Per oz. 10c, ¼ lb. 20c, 1 lb. 60c. By express, 5 lbs. or more at 45c per lb.

GIANT SLUDSTROP.—This is a variety of exceptionally even growth, showing careful production of stock seeds for many years. Color is reddish yellow, excellent in shape, which resembles Golden Tankard, and is superior to that popular sort in every way. Contains more sugar, grows larger, more above ground and is therefore easier to harvest. It is the best of all mangels for feeding purposes. Per oz. 10c, ¼ lb. 20c, 1 lb. 60c. By exp., 5 lbs. or more at 45c lb.

DIGNITY LONG RED.—Improvement on the Mammoth Long Red by careful selection for a number of years. Stands head and shoulders above all other varieties of mangels; unexcelled for yielding and feeding qualities. Grows to a very large size, weighing from 20 to 50 lbs., and will yield 50 tons per acre with ordinary good cultivation and if you want large crops of large mangels of good quality, don't fail to try Dignity. It is very uniform, smooth and of good shape. Should be grown on deep, loose soil. Per oz. 10c, ¼ lb. 20c, 1 lb. 60c. By express, 5 lbs. at 45c per lb.

GIANT HALF SUGAR MANGEL.—A hybrid or cross between the Mammoth Long Red and Sugar Beet, and for our own feeding we have found it superior to either. Being sweeter, both cattle and hogs relish them greatly. Per oz. 10c, ¼ lb. 25c, 1 lb. 70c. By exp., 5 lbs. or more at 55c per lb.

GOLDEN TANKARD.—Best for dairy farming. Considered indispensable among English dairy farmers; it is stated by them they are able to obtain a higher price for milk when feeding cows on Golden Tankard. Sheep thrive on it. Other mangels cut white, circled with yellow, but this is of a rich, deep yellow throughout. Early, hardy, a heavy cropper, and on account of shape the roots can grow close in rows. Oz. 10c, ¼ lb. 20c, 1 lb. 55c. By express, 5 lbs. or more at 40c per lb.

KLEIN-WANZLEBEN SUGAR BEET.—This is the variety which is cultivated for the beet sugar factories, as it usually yields fifteen to twenty per cent of sugar. Root is of shape shown in our illustration, straight, tapering evenly and somewhat screw shape. Our seed is grown in Germany from beets which were tested as to per cent of sugar before setting out. The sugar makes it of great value for feeding. Per oz. 5c, ¼ lb. 15c, 1 lb. 50c. By express, 5 lbs. at 40c per lb.

LANE'S IMPERIAL SUGAR BEET.—An improvement on the White French Sugar Beet, containing about 8 per cent of sugar. Greatly liked for stock feeding. Per oz. 5c, ¼ lb. 15c, 1 lb. 50c. By express, 5 lbs. or more at 40c per lb.

KLEIN WANZLEBEN

CIRCULAR TELLING HOW TO GROW AND STORE MANGELS AND OTHER ROOTS MAILED FREE ON REQUEST

CABBAGE

One ounce will produce about 3,000 plants. Set 8,000 to 10,000 plants per acre, of early sorts, and 6,000 of large, late kinds.

No vegetable is of greater importance than cabbage, and compared with the cost of seed, there is more money in growing cabbage than any other crop. It does not pay, therefore, to take any risk in buying seed. We have had our cabbage seed grown by the same growers for about sixteen years past, and it has proven of uniformly excellent quality, so that we pride ourselves on having the purest and highest grade of cabbage seed that is offered, or at least it is surpassed by none. The cabbage requires a deep, rich soil and thorough working to insure good, solid, full-sized heads. Sow early sorts in hotbeds in February or March, or in open, shallow drills six inches apart. When the plants are four inches high transplant to rows three feet apart. Our packets contain about 800 seeds. Slug Shot and tobacco dust are used to kill insects and worms.

EXTRA EARLY EXPRESS.—The earliest variety in existence and produces rather small heads long before the Jersey Wakefield or other varieties have begun to head up. Heads solid, have few outside leaves, and can therefore be planted very close and yield a large crop. It is a most important variety for the gardener. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 45c, lb. \$1.50.



JOHNSON'S FIRST CROP

JOHNSON'S FIRST CROP.—Ten days earlier than the earliest Jersey Wakefield. Heads conical, but not quite so pointed as Wakefield. The heads are remarkably large, hard and solid for so early a sort, and it is unsurpassed in quality. Is a strong, vigorous grower, and heads up well, so that there will be very few culls in the crop. You can command the early market if you grow this variety. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.

EARLY JERSEY WAKEFIELD.—Considered by many gardeners the very best first early variety. Of large size for so early a kind and is certainly deserving of its great popularity. Heads hard and solid, and have few outside leaves. Our seed is highest quality, American grown. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.

NEW WASHINGTON WAKEFIELD.—A grand variety, a trifle later than Jersey Wakefield; produces much larger heads, of perfect pyramidal shape, very solid, with few outside leaves. One cabbage grower who is enthusiastic in its praise says: "It is first in head, first in market, and first in the hearts of gardeners." Grows remarkably uniform, heads are of even size and shape. Unequaled for market or family garden. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.

HENDERSON'S SUCCESSION.—An excellent variety of large size and with flat head maturing in midsummer. It can be brought to perfection in the hottest weather or used as an autumn or winter crop. Heads average 10 or 12 in. in diameter, but are frequently larger, average about 12 lbs. Good fall cabbage. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. \$1.00, lb. \$3.00.

EARLY SUMMER.—Ten or twelve days later than Jersey Wakefield; much larger in size and will stand on the ground much longer without bursting open. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.



CABBAGE PLANTS

Early or Late
on page 38

ALL HEAD EARLY.
BURPEE'S ALL-HEAD EARLY.—This is the earliest of the flat-headed cabbages, being fully a week earlier than other sorts of this type. It is of larger size than the early varieties generally, of perfect shape and makes exceptionally solid heads. It was originated by the late C. L. Allen, of Long Island, N. Y., but named by Mr. Burpee, who purchased the first crop and gave it his name. Our seed is grown from the original stock by Mr. Allen's son, who continues the business, so that we have as good stock as can be purchased. We recommend this as an exceedingly desirable variety for early cropping. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.

We have used your seeds for many years in Iowa and since coming to Colorado we still want them—we find no other as good and pure.—Mrs. Malinda Fox, Pueblo, Colo.

ALL SEASONS.—(Vander-gaw.)—This excellent sort is as early as Henderson's Summer, maturing a week or ten days after All Head Early; makes larger and harder heads than either of the above sorts. It is truly an all-seasons variety as it is fine for summer market and the heads are so large, thick and solid that it is excellent for keeping through the winter. If desired for winter use it should be planted later than for extra early market. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.



HENDERSON'S SUCCESSION

YOU CANNOT FAIL TO HAVE GOOD CROPS IF YOU PLANT OUR CABBAGE SEED

CABBAGE===Continued

SUREHEAD.—This popular cabbage is rightly named Surehead and never fails to make a remarkably fine, solid, large head with few outer leaves. Strong, vigorous grower; ripens late. First-class main crop sort. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.

ST. LOUIS MARKET.—A fine strain of large, late cabbage very popular with St. Louis gardeners because of the regularity in heading. Many of our customers claim it produces a greater percentage of heads to plants than any other sort. Shape is between Flat Dutch and Ballhead; has great substance, weighs heavy; of good quality. Pkt. 10c, oz. 30c, $\frac{1}{4}$ lb. 90c, lb. \$3.00.

VOLGA.—For uniformity in growth, shape of head and hardness we have never seen its equal in a large heading variety. Plant is nearly all head, having few outside leaves.

The heads are nearly as round as a ball, hard and solid as Danish Ballhead, much larger and heavier. In a field of three acres in Long Island there was not a single plant thrown out or one that showed any variation from the true type. Quality is very fine both for cooking and kraut. Can be set out in the middle of July in this latitude; will mature large, solid heads in October. Plants are so compact that they can be set out $1\frac{1}{2} \times 3$ feet and will produce enormous crops on good land. Pkt. 10c, oz. 40c, $\frac{1}{4}$ lb. \$1.20, lb. \$3.75.

IOWA SEED CO.'S SHORT-STEM DRUMHEAD.—Our improved and selected strain of this popular variety has greatly pleased thousands of our customers during the past ten years, and so greatly has it improved during the time that we have had it that in a large field it is almost impossible to find a head that is not solid and well formed. For sureness in heading, regularity of growth, and even, large, solid heads, it far surpasses any other strain of late cabbage, ripening evenly, with very short stem or stalk, and large, thick heads of silky fine quality of best keeping properties. Almost all head and always sure to head. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.



VOLGA.

PREMIUM FLAT DUTCH.—This old and well-known variety is still the standard winter kind. Heads large, solid and first-class keeper. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 70c, lb. \$2.25.

IMPROVED DANISH BALLHEAD, or Hollander.—This variety has been selected and perfected for more than fifty years by the Danish gardeners. They prize it so highly that they grow it almost exclusively for winter cabbage, and annually export large quantities to London, Paris, and other cities. Heads round, good sized, solid and very fine grained. Has but few outer leaves. A good keeper, tender and crisp, with but little waste heart. Pkt. 10c, oz. 30c, $\frac{1}{4}$ lb. 90c, lb. \$3.00.

WINNINGSTADT.—This is a cone-shaped summer sort which can also be used for winter keeping if it is planted late. It is a sure header, solid and of excellent quality, and is generally preferred among cone-shaped sorts for general crop. Has been a standard variety for many years. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

Every package of seed I got from you was A No. 1 in every respect. I raised the finest vegetables I ever raised in my life. The Washington Wakefield and Short Stem Drumhead cabbages are a pair that is hard to beat.—Sam J. Miller, Louisa County, Iowa.

We have been buying seeds of you for about eight years and have never had a failure.—G. W. Herbert, Champaign County, Ill.

Use Slot Shot for
Cabbage Worms
See Insecticide Dept.

RED AND SAVOY CABBAGE

MAMMOTH RED ROCK.—Market gardening strain of unusual size, weight, color. Its large size, solidity and good quality make it a very desirable red cabbage. Pkt. 5c, oz. 30c, $\frac{1}{4}$ lb. 90c, lb. \$3.00.

ZENITH RED.—Medium early, medium size; handsome dark red color, by far most attractive red sort. Its small ribs and thin leaves very close together make it extra solid. Pkt. 5c, oz. 30c, $\frac{1}{4}$ lb. 90c, lb. \$3.00.

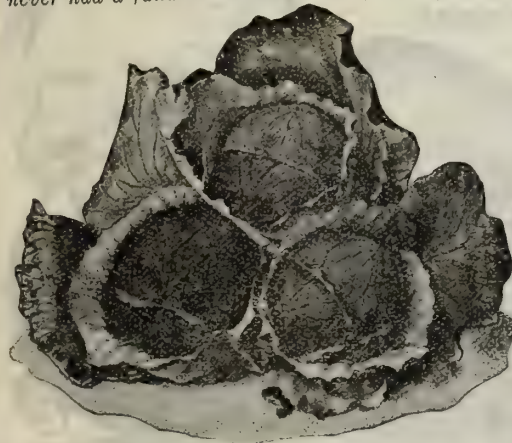
PERFECTION DRUMHEAD SAVOY.—The Savoy cabbages have curled leaves and are of finer flavor and quality than the ordinary kinds. Our strain is a sure header and heads are large and solid. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.



ST. LOUIS MARKET.

**OUR AMERICAN GROWN CABBAGE**

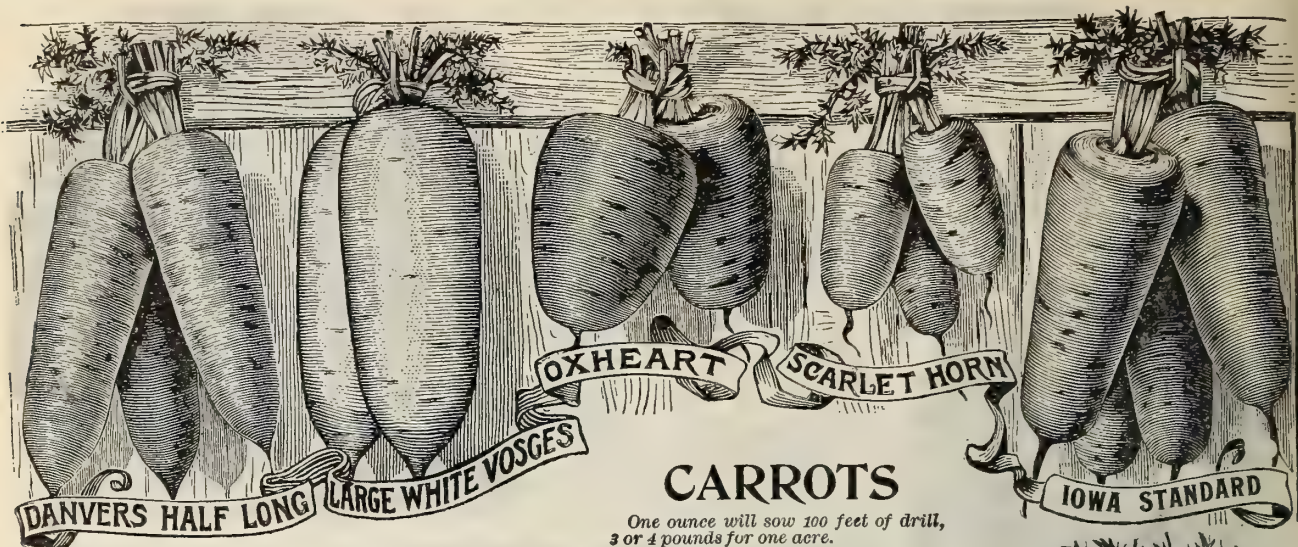
Is not surpassed by any in the world. It has given satisfaction to our customers for many years.



ZENITH RED.



PERFECTION DRUMHEAD SAVOY.



One indispensable root for the farm, deserving of more general cultivation. Well managed, no crop pays better, and most farmers would find an acre or so desirable. A nutritious, succulent food in the winter for cattle, horses, sheep and pigs. For early, sow in the spring as soon as the ground can be worked, in drills fifteen inches apart, covering one-half inch; thin plants to three or four inches apart in row. For field culture rows should be of sufficient distance to admit use of a horse cultivator; sow seed from middle of April to first of June. A light, sandy loam, deeply tilled, is best; seed is slow to germinate; use care to firm soil after sowing. Average 800 to 1,000 bushels per acre.

The crop of carrot seed is a failure all over the world this year. Prices are extremely high and it is doubtful if there is enough seed to meet the planters needs. We advise early orders.

EARLY SCARLET HORN.—Favorite extra early variety. Very early. Orange-scarlet, fine grained, and agreeable flavor. Top small, short, stump-shaped root; grows well in shallow soil. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 65c, lb. \$2.25.

OXHEART, or Guerande.—Most valuable variety in existence. Intermediate between Half-Long and Horn sorts; diameter 3 to 4 inches at neck; beautiful shape; rich orange color. Easily pulled, early as any, best quality all season. Fine for stock; has yielded 1,200 bu. per acre. Cut tops with scythe; pull with potato hooks. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.

IOWA STANDARD CARROT.—The most desirable early variety for bunching and, although a trifle later than the first earlies, still will yield so much handsomer roots and larger crop that everyone is pleased with it. A splendid variety for either market or feeding purposes. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.

DANVERS.—Is in form about midway between the Long Orange and Shorthorn class, growing generally with a stump root. It is of a rich, dark orange color, grows to a large size, is smooth and the flesh very close texture, with little core. It is a first-class carrot for all soils, and it is claimed that under good cultivation it will yield the greatest weight per acre with smallest length of root of any grown. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.

IMPROVED LONG ORANGE.—Desirable for garden or field. Grows to large size, averaging 12 inches in length and 3 inches in diameter at the top. This is the standard long variety, preferred to Victoria by some because of its deeper orange color. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

LARGE WHITE VOSGES, or Improved Short White.—A stock variety which is enormously productive and easy to harvest. Color light green above ground, white below; flesh rich, white, solid and crisp; heavy yielding. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

VICTORIA.—Largest carrot grown, heaviest cropping and most nutritious variety cultivated; roots remarkably fine, light orange, symmetrical, excellent quality, of high feeding properties; good keeper; heavy cropper on all soils; best adapted for rich land; grows half as much weight again per acre as ordinary sorts; grows well out of ground; easily harvested. All who have cattle should raise a quantity of carrots for feeding milch cows in winter. It increases the flow of milk and gives to the butter a delicious flavor and a rich golden color. Breeders of fine horses feed carrots to help keep them in health and condition. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

STOCK FOOD COLLECTION

BETTER THAN CONDITION POWDERS OR STOCK MEDICINES

The live stock thrive better and keep in the best condition when they have a diversified ration, of green pasture and vegetables in addition to their regular grain feed. We offer you in this collection rape for summer pasture and pumpkins and roots for fall and winter feeding when the pastures are gone. We give you enough seed to produce vegetable feed for 25 to 30 animals during the entire season and we believe it will prove a most profitable investment to any farmer who keeps live stock.

The list includes:

4 lbs. Dwarf Essex Rape (1 acre for pasture).

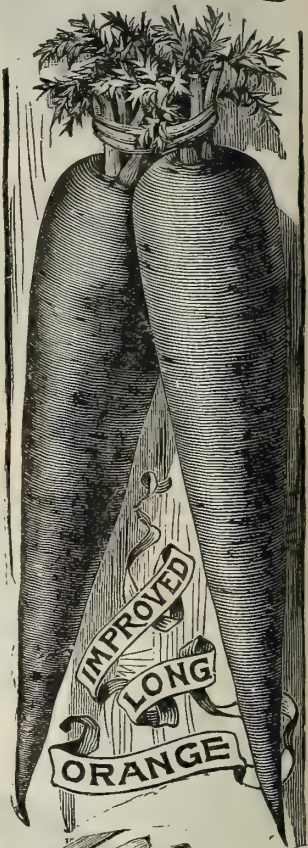
1 lb. Big Tom Pumpkin (4 acres in the corn).

2 lbs. Giant Sludstrop Mangel ($\frac{1}{2}$ acre).

$\frac{1}{2}$ lb. Victoria Carrots ($\frac{1}{4}$ acre).

$\frac{1}{2}$ lb. Golden Ball Turnip ($\frac{1}{4}$ acre).

PREPAID, ANY ADDRESS, \$2.50.



THERE IS NOT ENOUGH ATTENTION PAID TO ROOT CROPS BY LIVE STOCK RAISERS

CAULIFLOWER

(One ounce will produce about 3,000 plants.)

One of the most delicious of vegetables. Any soil that will grow cabbage will grow cauliflower, as their requirements are quite similar. Culture same as cabbage, except that they need a cool and moist atmosphere and should be watered during dry weather. As flower heads appear the large leaves should be broken down over them to shield them from the sun and rain.

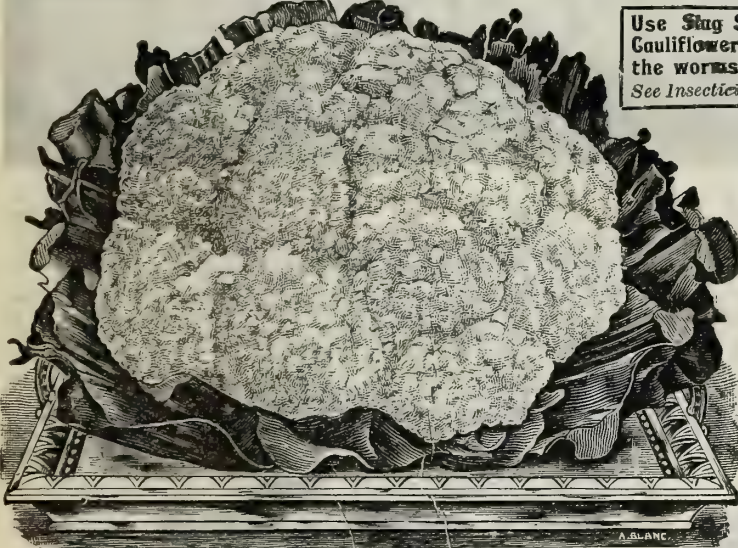
DANISH GIANT.—Has become a strong competitor for first place. Originated in same locality in Denmark which produced Snowball. Heads extra large, pure white and very solid. Has large leaves which protect the head. About ten days later than Snowball, but has proven more desirable for growing in open ground and does well dry seasons when other varieties show failure, keeping plump and fresh during the hottest, driest weather. One grower, probably the largest grower of cauliflower in the country (having crop of 90 acres), tested Danish Giant and placed his entire order for this variety. Our seed is obtained direct from the best cauliflower growers in Denmark, the home of the cauliflower, and our customers will be especially pleased with it. Pkt. 15c, ¼ oz. 65c, oz. \$2.25.

HENDERSON'S EARLY SNOWBALL.—Considered throughout the country the earliest of all cauliflowers, and more certain to make a head than any other sort. Its dwarf habit and short outer leaves allow it to be planted as close as 18 to 20 inches apart each way, thus making it especially valuable to market gardeners. Our stock is extra choice, and cannot be excelled. It is grown where this variety originated by a grower we believe to be the best in the world. Pkt. 15c, ¼ oz. 65c, oz. \$2.25.

EXTRA EARLY DWARF ERFURT.—Is valuable for forcing. A very popular variety in Europe and with eastern gardeners. First quality. Pkt. 10c, ¼ oz. 50c, oz. \$1.75.

EARLY PARIS.—Well known small sort which is usually quite satisfactory. Price is so low this year that all can try this excellent vegetable. Pkt. 5c, oz. 50c.

LENORMAND'S.—A late variety of large size; fine quality. Pkt. 10c, oz. 60c.



HENDERSON'S SNOWBALL CAULIFLOWER.

CHUFAS

A nice little ground nut greatly liked by children. In flavor resembles the coconut. Very prolific, a single one yielding 200 to 400 nuts growing just under ground and easily reached by pigs and poultry if they have access. Grow best in light, sandy soil, well fertilized. Plant in April, 10 in. apart in 2½ ft. rows. Cover lightly. Soak seed before planting if very dry. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.



CHUFAS

COLLARDS

(One oz. will produce about 3,000 plants.)

Collards are largely used as "greens" in some parts of the country, especially south. They are a form of loose-headed cabbage.

GEORGIA.—The most satisfactory for general use. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.



CURLED CHERVIL

CHERVIL

(An ounce will sow 100 feet of drill.) Leaves used in soups and salads. They have a pleasant aromatic taste which is greatly liked. Cultivate like parsley. Pkt. 5c, oz. 15c, ¼ lb. 40c.



DANISH GIANT CAULIFLOWER.

CRESS, or PEPPER GRASS

EARLY CURLED.—Well-known salad. Sow at intervals all season. Pkt. 5c, oz. 10c, ¼ lb. 25c.

TRUE WATER.—Sow seeds along the border of running water. Pkt. 10c, oz. 35c.

UPLAND CRESS.—A perennial variety; hardy, produces well; same flavor as Water Cress. Grown on high, dry land; does not run to seed rapidly. Pkt. 10c, oz. 25c.

CORN SALAD

(One ounce will sow about 20 square feet.) A nice winter salad. Sow in September in drills. Just before cold weather cover with straw or leaves. Pkt. 5c, oz. 10c, ¼ lb. 25c.



CORN SALAD.

CHICORY

LARGE ROOTED.—Used as a substitute for coffee. Cultivate the same as carrots. Take up roots in the fall, cut in small pieces and let dry. When wanted for use it is roasted and ground like coffee. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

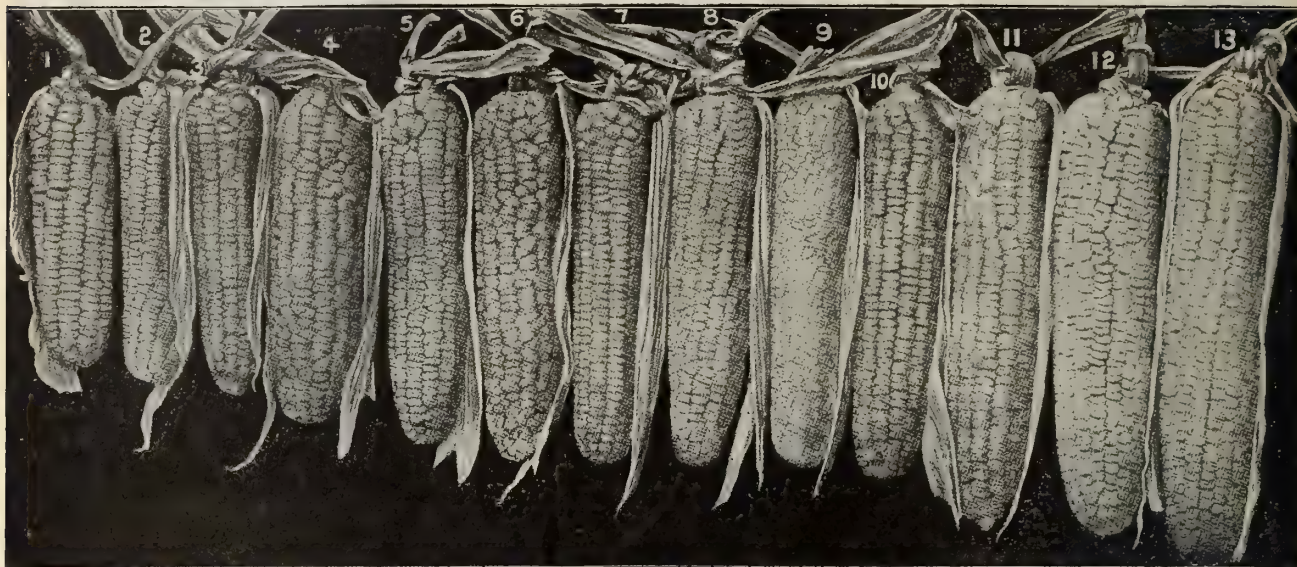
WITLOOF.—A delicious winter vegetable which is really a variety of Chicory, but is sometimes called French Endive. It makes one of the finest of all salads and is also excellent boiled. Plant seed in May or June in open ground and in the fall dig the roots and plant them in earth in a dark, cool place in the cellar or under greenhouse bench. By planting deeply in loose soil a more solid head is produced which is very fine. Pkt. 10c, oz. 30c.



WITLOOF

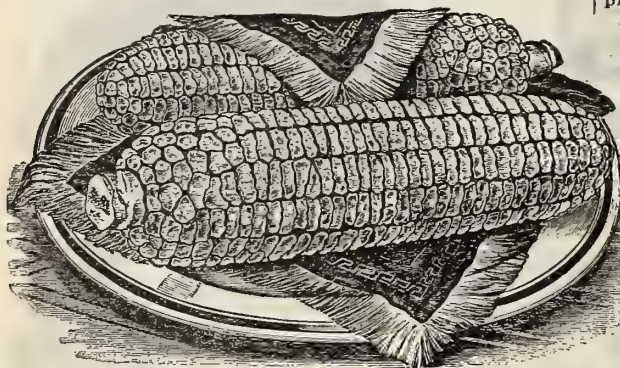
SWEET CORN

Plant as soon as the ground becomes warm in the spring, in hills about three feet apart, five or six grains to the hill, and when up thin them out, allowing three or four of the strongest plants to remain; give thorough cultivation. Our sweet corn is carefully grown and selected, only the choicest, most perfect ears being selected for seed. It costs us more and is far superior to ordinary stock. Packets contain about two ounces. We pay the postage by the packet, half pint, and quart. Deduct ten cents on each quart if to be sent by express; pints at half quart prices. The half pint packages are very desirable for small families.



GOVERNOR GILMAN.—Our new variety of such exceptional sweetness that in our judgment it surpasses any variety of sweet corn now offered. Description and illustration in colors on pages 41 and 42 of this catalogue. We urge you to try it. Pkt. 15c, $\frac{1}{2}$ pt. 25c, qt. 75c.

IMPROVED GOLDEN BANTAM.—(See cut No. 1.)—This handsome new variety is one of the most delicious of all and generally believed to be richest in flavor. Extremely early, of hardy, vigorous growth, so that it can be planted quite early. The stalks grow only about four feet high, but bear two or three good ears five or six inches long, of handsome golden yellow color. In flavor quite distinct from the white sorts and some have called it sweet as honey. Give it a trial. Pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 45c. By exp., $\frac{1}{2}$ pk. 85c, pk. \$1.50.



EARLY SUNRISE.

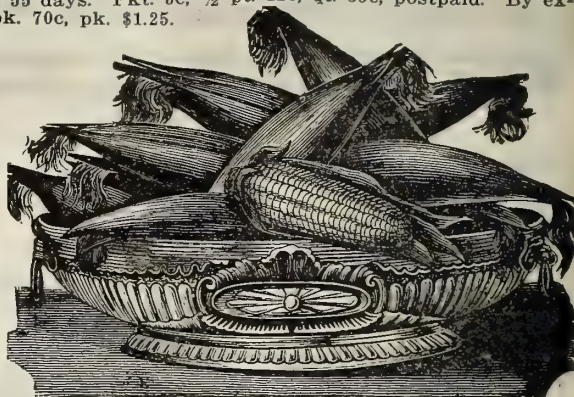
EARLY SUNRISE.—(No. 3.)—This is a splendid new variety which we introduced. It is undoubtedly the best extra early corn for either private gardens or the public market. The ears are about six inches long, well filled out at the end and husk covering so completely and being so tight as to prevent working of worms, which are so bad in Cory. Grains fairly deep and set in straight rows on small white cob; very uniform and handsome. Market gardeners will find Early Sunrise a most profitable and satisfactory sort. Pkt. 5c, $\frac{1}{2}$ pt. 12c, qt. 40c, postpaid. By freight, $\frac{1}{2}$ pk. 85c, pk. \$1.50.

The Maine State Bulletin, No. 27, states that the Early Sunrise was as early as any variety in their long list and much larger and better than Cory; in quality equal to most of the later varieties and the most prolific of all. They say it is worthy of special mention. Try it this year.

PEEP O'DAY.—(No. 2.)—Of Minnesota origin, 5 to 7 days earlier than other kinds. Ear 5 inches long, of perfect form, and well filled. The corn is tender and sweet. On our place it matured with Early Sunrise and is similar to it in many respects. You will make no mistake in planting some of it for first early. Pkt. 5c, $\frac{1}{2}$ pt. 12c, qt. 35c. By express, $\frac{1}{2}$ pk. 70c, pk. \$1.25.

EXTRA EARLY ADAMS.—(No. 4.)—This is not a true sweet corn, but produces ears well filled with tender white grains. It is very early and on account of its hardness and hard, round grain it can be planted much earlier than sweet corn. Pkt. 5c, $\frac{1}{2}$ pt. 10c, qt. 30c. By express, $\frac{1}{2}$ pk. 65c, pk. \$1.10.

WHITE MEXICAN.—(No. 5.)—Do you know the marvelous sweetness of the old Black Mexican? You like its taste but dislike its color. This is finer in every way, superior in sweetness, a pure ivory white color, large as the Minnesota and earlier. It matures in 55 days. Pkt. 5c, $\frac{1}{2}$ pt. 12c, qt. 35c, postpaid. By express, $\frac{1}{2}$ pk. 70c, pk. \$1.25.

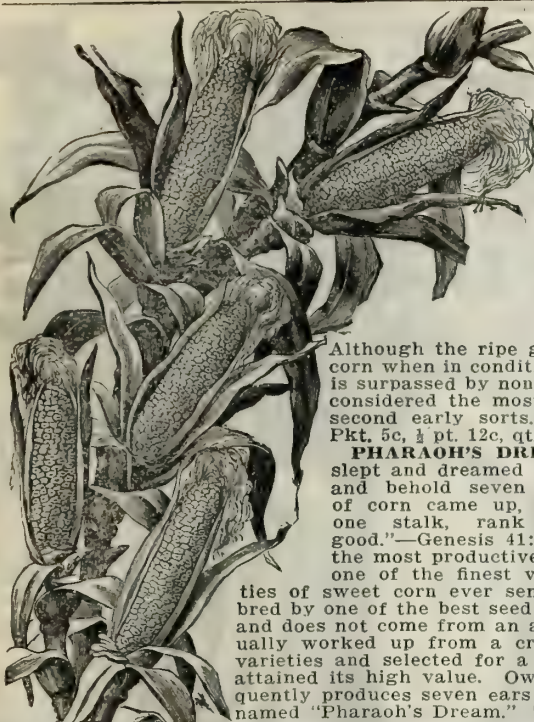


CHAMPION EARLY.

CHAMPION EARLY.—(No. 6.)—Earliest large corn ever introduced, maturing only a few days later than the small-eared sorts and producing large 12-rowed ears 8 to 10 inches long. Pure white kernels with medium white cob, very sweet and tender, usually producing two ears to the stalk. Unsurpassed for market gardening or family garden owing to its large size and fine appearance. Pkt. 5c, $\frac{1}{2}$ pt. 12c, qt. 35c. By exp., $\frac{1}{2}$ pk. 70c, pk. \$1.25.

EARLY MINNESOTA.—(No. 7.)—A standard variety. Has held its position in the list for a long period of years as a dependable sort. The ears are of good size and well flavored. Valuable for either private or market use. Pkt. 5c, $\frac{1}{2}$ pt. 10c, qt. 30c. By express, $\frac{1}{2}$ pk. 75c, pk. \$1.25.

EXTRA EARLY CORY.—(White Cob.)—This was for years the most popular variety with market gardeners for first early market until the introduction of Early Sunrise. It is of dwarf growth and yields well; ears of medium size. Pkt. 5c, $\frac{1}{2}$ pt. 12c, qt. 35c. By express, $\frac{1}{2}$ pk. 70c, pk. \$1.25.



COUNTRY GENTLEMAN
each leaf joint. Ears are of large size, but not overgrown; just right for table use and would be taken for Stowell's Evergreen in almost any market. Corn is pure white, tender and of rich, delicate flavor, remaining a long time in an edible condition.

SWEET CORN===Continued

CROSBY'S EARLY.—(See Cut No. 8.)—For medium early use and general crop is one of the most desirable sorts. Ears of medium size and cooking qualities excellent. A good cropper and profitable for family use and as a market sort. Pkt. 5c, $\frac{1}{2}$ pt. 12c, qt. 35c. By express, $\frac{1}{2}$ pk. 75c, pk. \$1.25.

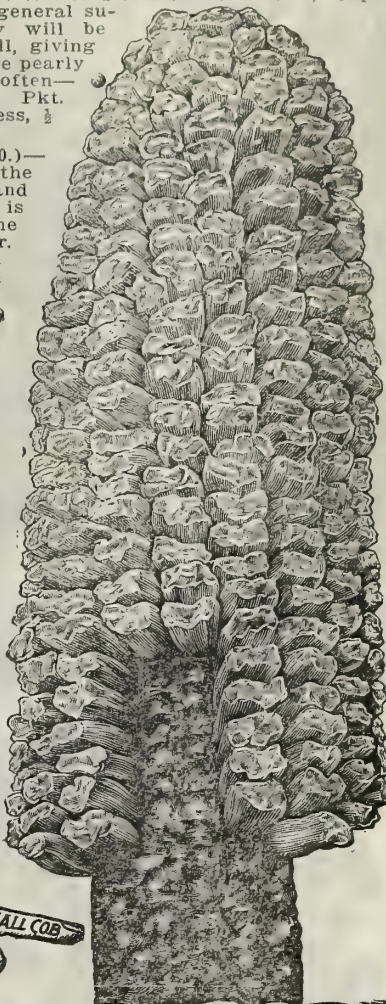
COUNTRY GENTLEMAN.—(No. 9.)—An improvement on the old favorite Shoe Peg Sweet Corn. Our illustration of a single stalk shows its great productiveness; 3 to 5 ears to a stalk. In this, coupled with the luscious quality, the general superiority of this new variety will be quickly seen. The cob is small, giving great depth to kernels which are pearly white, and we cannot say too often—surpassingly sweet and tender. Pkt. 5c, $\frac{1}{2}$ pt. 12c, qt. 40c. By express, $\frac{1}{2}$ pk. 85c, pk. \$1.50.

BLACK MEXICAN.—(No. 10.)—Although the ripe grain is black, or bluish black, the corn when in condition for table cooks remarkably and is surpassed by none in tenderness. This, by many, is considered the most desirable for family use of the second early sorts. Withstands hot, dry weather. Pkt. 5c, $\frac{1}{2}$ pt. 12c, qt. 40c. By exp., $\frac{1}{2}$ pk. 80c, pk. \$1.50.

PHARAOH'S DREAM.—(No. 11.)—“And Pharaoh slept and dreamed * * * and behold seven ears of corn came up, upon one stalk, rank and good.”—Genesis 41:5. Is the most productive and one of the finest varieties of sweet corn ever sent out. This new variety was bred by one of the best seed corn specialists in the country and does not come from an accidental sport, but was gradually worked up from a cross made of two well known varieties and selected for a number of years, until it has attained its high value. Owing to the fact that it so frequently produces seven ears to the stalk it has been aptly named “Pharaoh's Dream.” The corn begins earing almost from the bottom and produces quite long ear stalks from



Ears form in succession and make a constant supply all through the season. Is the greatest novelty ever sent out. Produces better when only one or two grains are planted in a hill. Pkt. 5c, $\frac{1}{2}$ pt. 12c, qt. 40c, postpaid. By frt., $\frac{1}{2}$ pk. 85c, pk. \$1.50.



EARS OF
PHARAOH'S DREAM

IMPROVED STOWELL'S EVERGREEN.—(No. 12.)—For many years this corn has been the most prominent main crop sort and more largely planted than any other, being a general favorite with canners and market gardeners for late use. We have been selecting this for a number of years to improve it for family use. The ears are medium to large size and our illustration was made by combining the picture of the lower part of an ear in fit condition for table use with part of an ear of dry seed corn. The grains are deep, exceptionally tender and remain a long time in an edible condition. The dried kernels are shriveled so much that they readily show its unusual sweetness. Pkt. 5c, $\frac{1}{2}$ pt. 12c, qt. 35c. By express, $\frac{1}{2}$ pk. 70c, pk. \$1.25.

MAMMOTH SUGAR.—(No. 13.)—This produces the largest ear of any sweet corn, a single ear sometimes weighing 2 or 3 lbs.; sweet and luscious. Pkt. 5c, $\frac{1}{2}$ pt. 12c, qt. 40c. By express, $\frac{1}{2}$ pk. 80c, pk. \$1.50.

EARLY SWEET FODDER.—Grows quickly and will furnish good fodder. Qt. 25c. By express, $\frac{1}{2}$ pk. 40c, pk. 75c, bu. \$2.50.

EVERGREEN SWEET FODDER.—Particularly selected because it produces great stalk and leaf growth, lots of ears, and is ready in July when pastures are short. Worth double the cost. Qt. 25c. By express, $\frac{1}{2}$ pk. 35c, pk. 65c, bu. \$2.25.

EVERGREEN COLLECTION OF FORAGE AND FODDER PLANTS

To furnish green feed for the live stock during the summer months when pastures are dry, and fodder in winter when roughness is wanted. The rape, if sown in June, will make pasture from July until frost, when the grass is dormant. The sweet fodder corn will be ready to cut and feed from July to September. The Millet, Teosinte and Pencilaria are ready when the corn is used, and the Cane and Kaffir Corn make excellent rough forage for winter use.

13 lbs. Early Sweet Fodder Corn, 33 lbs. Evergreen Sweet Fodder Corn, 6 lbs. Dwarf Essex Rape, 25 lbs. Siberian Millet, 1 lb. Teosinte, 2 lbs. Pencilaria, 25 lbs. Amber Cane, 15 lbs. Kaffir Corn.

One hundred pounds of seed will plant 8 or 9 acres and furnish tons of good feed for the stock. SENT BY FREIGHT, NOT PREPAID, FOR \$4.92.

IMPROVED STOWELL'S EVERGREEN

YOU CAN HELP OUT A SHORTAGE OF PASTURES AND MEADOWS WITH THIS EVERGREEN COLLECTION

CELERY. One ounce will produce about 6,000 plants.



This we consider one of the luxuries of the garden. For first crop sow seed early in hotbeds, or in boxes in the house, in rich, moist soil, covering seed very lightly. For main crop sow in open ground in April or soon as soil is in good condition. Seed germinates slowly and if the weather is hot and dry protect with light covering of hay or straw. Stir soil as soon as plants are well up; thin out and transplant so that they stand about an inch apart in the row. If they grow too rapidly, shear the tops off when about 4 or 5 inches high and this will make them more stocky. For main crop set plants out between June 15th and July 15th, in rows 3 feet apart and plants 6 inches apart in the row. Care should be taken to firm the earth well around plants when setting and they will root better. Keep clear of weeds until about the middle of August when it will be time to begin earthing up. Draw the soil up against plants with a hoe as closely as possible, firming it enough to keep plants in an upright position. Later in the season the blanching process must be finished by digging soil from between rows and banking clear to the tops on each side of the row of celery. Much labor is saved by growing the self-blanching varieties. They are easier to grow but do not do quite so well.

WHITE PLUME.—Stalks, portions of the inner leaves and heart naturally white, and become fit for use by simply tying up closely with soft twine. More used than any other by gardeners. Our seed highest quality. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

GOLDEN SELF-BLANCHING.—By far the most popular sort on the market. It is of medium earliness, of dwarf, compact habit, with thick, solid, heavily ribbed stalks, which blanch easily to a clear waxen yellow. When grown in rich, moist soil, the stalks are numerous and large with a solid heart of beautiful yellow. Pkt. 10c, oz. 75c, $\frac{1}{4}$ lb. \$2.25, lb. \$7.50.

ROSE-RIBBED SELF-BLANCHING.—Is a sport from the Golden Self-Blanching, having all its good qualities, with the additional attraction of beautiful rose-tinted ribs, making it very handsome. Pkt. 5c, oz. 30c, $\frac{1}{4}$ lb. 90c, lb. \$3.00.

GIANT PASCAL.—A selection from the Golden Self-Blanching, and adds to the quality of its parent superior keeping qualities. Stalks very large, solid, crisp and of a rich, nutty flavor. Blanches very easily and quickly. Heart is golden yellow, very attractive. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

GOLDEN DWARF.—Golden yellow, solid, crisp. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$2.00.

WINTER QUEEN.—Finest dwarf celery. Rich green coloring, readily blanched; ready for use in fall. Large bunches of heavy stalks of even length, best table quality; keeps until May. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 65c, lb. \$2.25.

GIANT PRAGUE CELERIAC.—Instead of producing long leaf stalks like ordinary celery it has a turnip-like root with the true celery flavor and is greatly liked by all who have tried it. Giant Prague is the largest, smoothest and best sort. Excellent for salads and flavoring. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$1.75.

GIANT PRAGUE CELERIAC

CELERY SEED FOR FLAVORING PURPOSES, WILL NOT GERMINATE. OZ. 5c, 1-4 LB. 15c, LB. 40c



EARLY EXPRESS.

EARLY EXPRESS.—We are pleased to introduce this most remarkable and valuable new variety, which originated with Mr. C. P. Coy. It is by all odds the earliest variety in existence. Quality is the very best, being free from any rank, strong flavor, and it is as fine a variety for slicing as any later sort. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c, lb. \$1.50.

IOWA STANDARD.—The handsomest of long green varieties. Are well formed and hold their color excellently. Pkt. 10c, oz. 15c, $\frac{1}{4}$ lb. 45c, lb. \$1.50.

IMPROVED CHICAGO PICKLE.—Variety which originated with a leading pickle grower near Chicago; is considered the best variety there; very prolific; matures early; produces immense number of desirable shaped pickles. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

IMPROVED LONG GREEN.—Standard sort. Vine vigorous and productive, forming fruit fine for the table, nearly as early as shorter sorts; firm fruit about 12 inches long. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

EARLY CLUSTER.—Slim form. Extra prolific, frequently setting in clusters of two and three. Fine for small pickles. If fruit is kept gathered, the vines will continue in bearing. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

GREEN PROLIFIC.—One of the best pickling varieties; dark green, tender, crisp; very productive, of fine flavor and good for table use. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

LEMON.—As will be noticed from our illustration, it is round and about the size of a baseball. Fruits produced in great profusion. Used for slicing or sweet pickling as any ordinary variety of cucumber, but have a flavor peculiarly their own, superior to any, being crisp and tender and having none of the bitter or acrid taste sometimes found in other cucumbers. Of best quality when the fruit begins turning yellow. Desirable for use as mangoes. Will be liked by all who try it. Pkt. 10c, oz. 25c.

ASTRO.—For growing in hotbeds. It yields a continual picking and sells easily at \$1.00 per dozen. Fruit large, perfect shape, 12 to 18 inches long, of very best quality for slicing. Has few seeds. Pkt. 15c, oz. \$1.

JAPANESE CLIMBING.—The vines are of healthy, vigorous growth, with rich, dark green foliage, and throw out strong, grasping tendrils enabling it to climb trellis, wire netting, brush or any other suitable support. Large size, cylindrical, flesh pure white, skin dark green, turning to brown and netted when ripe; fine for slicing. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.



EMERALD

uniform in shape, size and color, thus making it an excellent sort for marketing. Holds its dark green color. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c, lb. \$1.50.

ROLLISON'S TELEGRAPH.—An English forcing variety bearing fruits 14 to 16 inches long. Dark green, smooth, and of perfect shape. Much used and greatly liked by market gardeners for hotbed and greenhouse growing in winter and early spring. Pkt. 15c, oz. \$1.00.

WEST INDIA GHERKIN, or Burr.—Makes a handsome pickle of first-class quality. Try it. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 65c.

SNAKE.—The cucumbers grow curled up like a snake with the head protruding, and some are six feet in length. Are grown chiefly as a curiosity and for exhibition. In pkts. only. Per pkt. 10c.

CUCUMBER

(One ounce will plant 50 hills, two pounds will plant one acre.)

Cucumbers succeed best in a rich, loamy soil. For first early, sow in hotbeds, in berry boxes or in small flower pots, six weeks before they can be set out in open ground. When danger of frost is over transplant in hills four feet apart each way. For general crop plant in open ground in May, about twelve seeds in a hill. When danger of bugs is past thin to four strong plants in a hill. For pickling, plant in June. Sprinkle vines with plaster or air-slaked lime, or use Slug Shot, to protect them from bugs.



DAVIS PERFECT.

DAVIS PERFECT.—A grand new variety. Everyone who saw the crop last year says they never saw anything to equal it. Dark, glossy green, slim and symmetrical, with an average length of 10 to 12 in. They hold color till nearly ripe when they turn white without a yellow streak on them. Quality fine, as seeds are very soft when fit for table use. Very tender, brittle and of exceptional flavor. Early as earliest strain of White Spine and outyields all others. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

Very soft when fit for table use. Very tender, brittle and of exceptional flavor. Early as earliest strain of White Spine and outyields all others. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

LEMON CUCUMBER.

PERFECT WHITE SPINE.—This improved strain is pronounced by good judges superior to all others. Fruit even and good size, straight, well formed and symmetrical. It is of uniform shape, making it unexcelled for pickling. Immensely productive and keeps solid and crisp a long time. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

EMERALD.—A new sort which possesses the rich dark green color which has long been sought for but never before obtained, retaining its color until fully ripe. Its fruit sets early and its vigorous vines abound in long, straight, handsome fruits of most desirable qualities. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

IMPROVED BISMARCK.—An excellent variety with very long fruit pointed at both ends, very



NO. 1—PERFECT WHITE SPINE. NO. 2—IMPROVED BISMARCK. NO. 3—IMPROVED CHICAGO PICKLE.

SLUG SHOT WILL KEEP THE CUCUMBER VINES FREE FROM BUGS. LISTED AMONG INSECTICIDES

CURIOUS VEGETABLES

ORNAMENTAL MICE.—This vegetable curiosity is a native of Central Africa, having a small, neat growing vine and bears numerous oval fruits, clear green in color, which are always completely covered with long, light green spines or hairs. Nice for pickling. Pkt. 10c.

CATERPILLARS.—Prostrate creeping plants with small yellow flowers, changing into "Vegetable Caterpillars." They are grown as curiosities and sometimes are put into salads and pickles. Pkt. 10c.

SNAILS.—Another singular variety having most oddly twisted seed pods resembling snails. Pkt. 10c.



COTTON

COTTON.—Grown mainly as a curiosity in the north. Start the seed early in the house and transplant to the field as soon as warm weather arrives. It makes an ornamental plant in the flower bed and has showy, large flowers, followed by the boll of pure white cotton which interests everyone. Pkt. 5c, oz. 10c.

CARDOON.—A plant grown for its large, thick leaves. Blanched and used like asparagus. Pkt. 10c.

CHINESE TEA.—Many of our customers will be glad to grow this as a curiosity, if nothing else. The plant is of a shrubby nature, with beautiful shiny foliage and fragrant blooms; requires same treatment as any tender shrub. Can be kept growing in pots through winter. Pkt. 10c.

EGYPTIAN LENTILS.—Largely used in Oriental countries as a principal article of diet. It was from

these that the dish of pottage was made for which Esau sold his birthright to Jacob in Bible times, and many will be interested in them for that reason. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

ALPINE STRAWBERRIES.—If sown early, will produce bearing plants the first year. Grown in Europe, where they are ever-bearing, producing all summer. Pkt. 10c.

FRENCH SORREL.—Grown for and used as "greens." Has large light green leaves with mild acid flavor. Fine for salads. Pkt. 5c.



ALPINE STRAWBERRY



MARTYNIA

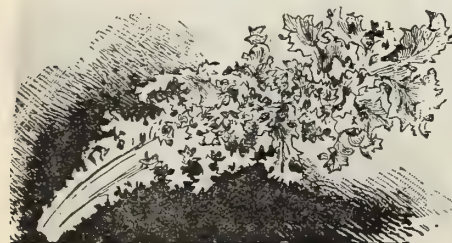
MARTYNIA.—Also called "Devil's Claw" and "Unicorn Plant." A large ornamental plant, bearing beautiful flowers which are succeeded by large seed pods which when young are fine for pickling. Pkt. 5c, oz. 30c.

SEA KALE.—Is grown and used like Chard Beets, except that it is perennial and when established can remain for years without renewal. Pkt. 5c, oz. 30c.

SCOLYMUS.—Grown for the roots, which are used like salsify. Roots often 10 to 12 in. long. Can be dug and stored for winter. Pkt. 10c.

SESAME.—The Arabian plant producing bean-like seeds from which a valuable edible oil is pressed. Leaves are very good for medicine, being used for dysentery in children. Pkt. 5c, oz. 15c.

WONDERBERRY.—A variety of Solanum largely advertised. We offer it as a novelty but do not recommend it. It is different from our Garden Huckleberry, which we do not think it equals either in productiveness or edible value. The fruits are about as large as dried peas, blue black in color, with a peculiar flavor relished by some. Pkt. 10c.



GIANT FRINGED ENDIVE.

ENDIVE

(One ounce will sow about 60 sq. ft.)

Preferred to lettuce by those who have tried it. Should be more largely used. One of the best and most wholesome salads for fall and winter use. Sow seed in April for early use or in June or July for winter use. When leaves are 6 inches long tie together with a string near top to blanch.

GREEN CURLED.—Has finely cut leaves and makes a handsome plant. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25.

GIANT FRINGED.—Also called winter lettuce. This fine new variety is the best of all. It is a strong, vigorous grower, making a large, white heart, and the leaves are beautifully curled, and of best quality. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.50.

COLLECTION

OF ODD VEGETABLES.

Persons exhibiting at fairs should grow some of the curiosities of the vegetable family to help make attractive showing. Try and have something different from your neighbors.

Any of the following at 10c. per pkt.: Sea Kale, Cardoon, Scolymus, Ornamental Mice, Caterpillars, Snails, Yard Long Beans and Mixed Peppers.

Any of the following at 5c. per pkt.: Martynia, French Sorrel, Ground Cherry, Chufas, Brussel's Sprouts, Swiss Chard, Endive, Okra, Vegetable Marrow, Garden Lemon, Vine Peach, Pomegranate, Mixed Gourds and Cotton. The entire collection of 22 pkts. for \$1.00.

GOURDS

Cultivate like cucumbers; may be trained over lattice work, fences, etc.

JAPANESE NEST EGG.—Grows almost uniformly to the size, color, and shape of a hen's egg. The shells are hard and make the very best of nest eggs, as they do not crack. The largest ones, when sawed in two, make excellent pots for starting tomato, strawberry and other plants. Pkt. 5c, oz. 20c.

DIPPER.—Makes a lighter and more convenient dipper than can be bought. Dippers of various sizes of a capacity from a pint to a quart and a half, can be had from a few vines. Pkt. 5c, oz. 20c.

SUGAR TROUGH.—Very large and strong grower. For buckets, etc. Pkt. 5c, oz. 20c.

LUFFA, or Dishcloth.—This fruit has peculiar lining which is sponge-like, porous, tough, elastic and durable, making a natural dishcloth or sponge. Start seed early. Pkt. 10c, oz. 25c.

HERCULES' CLUB.—Grows to immense size—4 to 5 feet in length. Pkt. 5c, oz. 25c.

MIXED UTILITY.—Seeds of above mixed. This is a very popular item with our customers. Many grow them as curiosities, but they are really useful in many ways. They are easily grown and will repay the work expended. Pkt. 5c, oz. 20c.

ORNAMENTAL MIXED.—A mixture of odd-shaped and fancy-colored sorts. Many handsome and useful small gourds in this mixture. Also offered among ornamental climbers in flower seed list. Pkt. 5c, oz. 30c.



IMPROVED NEW YORK EGG PLANT.

EGG PLANT

A tender plant that should be started quite early in a hotbed or box in the house, which must be kept warm. Transplant late to open ground 2½ feet apart.

IMPROVED NEW YORK.—Our strain of this, the leading market variety, we believe to be unsurpassed. Very large size, skin deep purple, flesh white and of excellent quality. Very productive. Pkt. 5c, oz. 35c, ¼ lb. \$1.20.

EARLY LONG PURPLE.—The earliest variety in existence, being several weeks earlier than the above. Same color as Improved New York, but longer and somewhat smaller. Pkt. 5c, oz. 25c, ¼ lb. 90c.

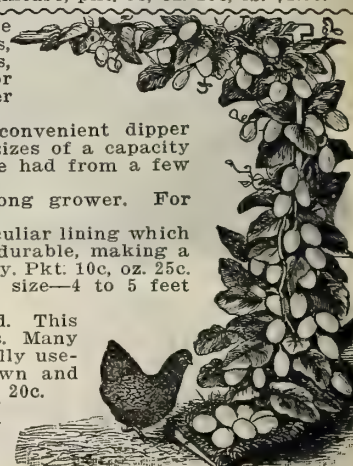
PEARL WHITE.—Pure creamy white, slight shading of light green near stem; good quality. Pkt. 5c, oz. 40c, ¼ lb. \$1.40.

FLOWER SEEDS FOR BEES

Below we offer you seeds of a few flowers specially desirable for sowing to furnish food for honey bees. They are all heavy producers of nectar, bloom quickly and will bloom the first year from seed, furnishing food during spring and summer and till frost.



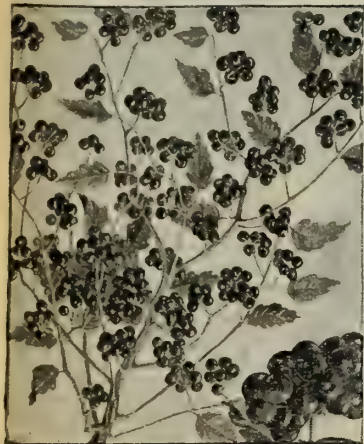
Adonis	pkt. 2c, oz. 15c
Alyssum, Sweet	pkt. 2c, oz. 25c
Asperula	pkt. 2c, oz. 25c
Cleome Pungens	pkt. 5c, oz. 35c
Dracocephalum	pkt. 5c, oz. 20c
Iberis (Candytuft)	pkt. 2c, oz. 20c
Matthiola (Evening Stock)	pkt. 2c, oz. 25c
Phacelia	pkt. 5c, oz. 25c
Reseda (Mignonette)	pkt. 2c, oz. 15c
Sweet Rocket (Hesperis)	pkt. 5c, oz. 25c
Mixed Flower Seeds for Bees, the above in mixture,	pkt. 5c, oz. 15c, lb. \$1.50.



NEST EGG GOURD.



GROUND CHERRY



GARDEN HUCKLEBERRY

A splendid novelty introduced by us. The vine on which they are borne is somewhat similar to the musk melon vine, and requires the same cultivation. The fruit is about the size of a large peach, oval shaped, and is of a bright orange yellow color, somewhat russety. For sweet pickles, pies or preserving they are superb. A jar of these cut in halves and cooked in syrup presents a beautiful and tempting appearance. Recipes for preparing for the table will be sent with each order. In the west and northwest, where fruit is scarce, they are becoming popular, as they are easily cultivated, wonderfully prolific, and can be used in every way in which you would use a peach; not usually liked raw. Pkt. 5c, oz. 25c, $\frac{1}{2}$ lb. 75c.

CHILDREN'S CORNER GARDEN

It is not always easy to induce the children to take an interest in the vegetable garden, but all children delight in melons, fruits, nuts and pop corn, and we have made a little collection which will afford them delightful things to eat, and which they will work to produce in order that they may enjoy the fruits of their labor.

1 pkt. Yellow Ground Cherry, sweet and good; 1 pkt. Monarch White Rice Pop Corn, enjoyed by everybody; 1 oz. Chufas or Earth Almonds, small, sweet ground nuts of delicious flavor; $\frac{1}{2}$ lb. Red Cross Peanuts, can be grown in any good soil; 1 pkt. Rocky Ford Musk Melon, always well flavored; 1 oz. Sweetheart Water Melon, as good as its name. All the above postpaid for only 40c.

PICKLING AND PRESERVING

A SPECIAL OFFER FOR THESE USES

We offer in this collection a very complete assortment of garden vegetables for sweet and sour pickles, and for canning and preserving. Every item is easily grown and readily prepared for pantry stores. To the housewife it offers a wonderful range of delicious dainties for winter provisions.

1 pkt. Yellow Ground Cherry, for pies and preserves; 1 pkt. Golden Nugget Tomato, for fig preserves; 1 pkt. Vine Peach, for sweet or spiced pickles and preserves; 1 pkt. Brussels Sprouts, for picilli or mangoes; 1 pkt. Crimson Globe Beet, for pickling or table use; 1 pkt. Sage, for flavoring; 1 pkt. Dill, for use in pickle making; 1 pkt. Apple Pie Melon, for preserves, pies or sweet pickle; 1 pkt. Lemon Cucumber, for sweet pickle; 1 pkt. Chicago Pickle Cucumber, for sweet, sour or dill pickles; 1 pkt. Crimson King Pepper, for mangoes and picilli; 1 pkt. White Barletta Onion, for pickling or flavoring.

ONE EACH TWELVE ABOVE PACKETS, POSTPAID, 50c.

I have been dealing with your house for 15 years. You handle the best, true to name stock of seeds of any house I have dealt with. Peter Gengler, Cawker City, Kansas.

The packages of garden seeds you sent me this spring all done well. Miss Sarah Terry, Chula, Mo.

GARDEN LEMON

Introduced by us and has been very highly praised. Fruit is of the shape shown in our engraving, is somewhat smaller than Vine Peach, which it resembles in growth, but has a thinner flesh, and is decidedly acid, thus dispensing with the sliced lemons so important in putting up the Vine Peach. Directions for cooking with each packet. Pkt. 5c, oz. 25c.

GROUND CHERRY

IMPROVED YELLOW.—Another year has added to the popularity of this little fruit which we introduced, and it is now listed in the catalogues of the leading seedsmen of the country, to whom we supply seed. They grow well on almost any dry soil, are

easier raised than the tomato, are prolific bearers, and oh! what luscious fruit. For sauce or pies they are excellent. They are delicious as preserves and when dried in sugar are much better than raisins for cakes and puddings, and they will keep, in the shuck, if kept in a cool place, nearly all winter. No one, after raising them once, will ever make a garden again without devoting a portion to the Ground Cherry. Directions for preserving with each pkt. Pkt. 5c, $\frac{1}{2}$ oz. 20c, oz. 30c.

GARDEN HUCKLEBERRY

When this new fruit was first offered to us we had but little confidence in it, but after growing it on our grounds we recommend it to our customers. It belongs to the Solanum family (*Solanum Nigrum*), which is the same class botanically as the tomato, egg plant, and potato. The fruit is non-edible and by some considered injurious when green. When ripe they are about $\frac{1}{2}$ inch in diameter, of shining black color and make delicious pies, preserves and jam. Easily grown and immensely productive. Directions for cooking printed on each packet. Pkt. 10c.

VINE PEACH



PANTRY SHELF COLLECTION OF GARDEN FRUITS.

For the housewife who desires a diversity of good things for the table during winter. Will take the place of fruits when they are not obtainable, and will afford an appreciated variety for the family larder.

One pkt. each of Yellow Ground Cherry, Garden Lemon, Apple Pie Melon, Garden Huckleberry, Golden Nugget Tomato and Lemon Cucumber, postpaid to any address for only 35 cents.



KOHL RABI

(One oz. produces 2,500 plants.)

If you have never grown Kohl Rabi you should try it this year. It is a most excellent vegetable, intermediate between the cabbage and turnip.

Cultivate like cabbage and cook like turnips.

GOLIATH PURPLE.—This is a new sort, of immense size, solid and sweet. Pkt. 5c, oz. 20c, $\frac{1}{2}$ lb. 70c, lb. \$2.25.

EARLY WHITE VIENNA.—Flesh is white and tender. Good market sort. Pkt. 5c, oz. 20c, $\frac{1}{2}$ lb. 60c, lb. \$2.00.



WHITE VIENNA KOHL RABI

LEEK

Leeks are quite appetizing when sliced and served as a salad or they can be cooked and served like onions. Sow seed thinly in drills early in the spring, thin out so as to stand six inches apart in the row. Early in the fall draw earth up about the stems as you would to blanch celery.

LARGE ROUEN.—Largest and most uniform of all. Pkt. 5c, oz. 15c, $\frac{1}{2}$ lb. 40c, lb. \$1.25.



LARGE ROUEN LEEK

THIS PAGE CONTAINS A NUMBER OF DELIGHTFUL VEGETABLES. GIVE IT A CAREFUL READING

LETTUCE

(One ounce will sow 100 ft. of drill.)

No vegetable is more universally used than lettuce, and to be thoroughly appreciated it must be brought to the table fresh and unwilted. Quality depends largely upon rapid and vigorous growth. Sow in hotbed in March and in open ground as early as it can be worked, thinly in drills one foot apart. For succession, sow every three weeks during season. Thin out plants as they grow.

ICEBERG.—The large, curly leaves covering the heads are a bright, light green, with slight reddish tinge at edges. Center thoroughly blanched. In early spring or hottest summer days quality is simply perfect. Pkt 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

CALIFORNIA CREAM BUTTER.—A cabbage lettuce, with round, solid head; outside medium green, slightly marked with small brown spots; within, leaves are very rich cream yellow color, rich and buttery to the taste. Heads good size, compact, very hard and solid. In California they eat the heart only, with a dressing or olive oil, vinegar, salt and pepper. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

MAY KING.—A very early variety of head lettuce of compact growth. The inner leaves are bright yellow, the outside ones light green, sometimes slightly tinged with brown. Its greatest claim to popularity is in quick and rapid growth making it extremely tender and brittle. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

RELISH, or Improved Big Boston.—We are greatly pleased with this fine new variety. Is one of those rich, buttery-flavored sorts, which when accustomed to, is preferred to the crisp-leaved varieties. It is the blanched yellow center of the head that is eaten with olive oil, vinegar, salt and pepper. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

IMMENSITY.—Enormous solid head variety, sometimes 18 inches in diameter, but still tender, crisp and of excellent quality. A reliable main crop sort. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c, lb. \$1.50.

EARLY CURLED SIMPSON.—Improved variety of Curled Silesia; large, loose heads;

fine flavor. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

MORSE.—Might well be named Improved Black Seeded Simpson. Desirable for growing under glass or outdoors. The finest family sort. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

IMPROVED HANSON.—For general use both of market gardeners and in the private garden, we are sure that no variety can surpass our improved, and carefully selected strain of Hanson's Lettuce. It has been so judiciously improved that the heads are so solid that often they do not send up a seed stalk unless cut open with a knife. The heads are very large, green outside and nearly white within, deliciously sweet, crisp and tender, and almost absolutely free from rank or bitter taste. Resists summer heat. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

CONTINUITY.—This is a grand new variety. The outside leaves are of a brown color tinged with purple, while the inside of the head is a fine creamy white, tender, crisp and well flavored, making it in all respects a very desirable sort. Especially recommended for holding on through hot and dry weather and remaining crisp and brittle at all times. We highly recommend it. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c, lb. \$1.50.

DENVER MARKET.—An early variety of head lettuce either for forcing or open ground. Large, solid heads, light green color, and is very slow to go to seed. Leaves beautifully marked and blistered, very crisp and tender. By these blistered leaves it distinguishes itself. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

GRAND RAPIDS.—A forcing variety of superior quality. Strong grower, free from rot, keeps crisp and tender when exposed for sale longer than any forcing lettuce. Desirable variety for sowing in the open ground. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

SALAMANDER.—An excellent all seasons variety, forming good sized heads that stand drouth and heat longer without injury than other sorts. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

PRIZE HEAD.—Very tender leaves, dark reddish brown. Heads large, of good flavor. We sell more of this than any other brown-leaved variety. Always satisfactory. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

BLACK SEEDED SIMPSON.—Nearly double the size of an ordinary Curled Simpson. Stands summer well without becoming tough or running to seed quickly. By far the most popular variety for greenhouse forcing, making large, handsome heads in a very short time. Gardeners are pleased with our seed. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

MIXED LETTUCE.—A number of the best kinds in mixture. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.



ICEBERG LETTUCE



CONTINUITY LETTUCE



RELISH LETTUCE



MAY KING LETTUCE.



MUSK MELON

(One ounce will plant about 80 hills, two pounds to the acre.)

The soil best adapted to melons is a warm, rich, sandy loam. Plant in hills five or six feet apart each way, ten or twelve seeds in a hill. When they begin to vine, thin out, leaving only four of the most thrifty. As melons are very sensitive to cold, they should not be planted until the settled warm weather begins—in this latitude about the middle of May. Cultivation should commence as soon as the plants appear above the ground, and be kept up once a week until the vines interfere too much. You will be pleased with our seed, the greater part of which is produced at Altoona, with special care.

BURRELL GEM.—A truly delicious melon for home use or if you desire a variety which will bring a fancy price on the market, we unhesitatingly recommend the Burrell Gem. About the same size and shape as Rocky Ford, but has rich golden yellow flesh of the most delicious flavor, solid and a most desirable shipping sort. Seed cavity is very small. Melons average about six inches long, four and a half inches in diameter and weigh 2½ lbs. each. Shipments of these melons to Chicago, St. Louis, New York and elsewhere brought 50 per cent more than the best Rocky Fords. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25.

BURRELL GEM.

THE ORDWAY CANTELOPE.—This is the favorite type of small basket melon as grown at Ordway, Colorado. It differs from the Rocky Ford type in shape and color as it is more nearly round and inclined to flatten at the ends, but is of about the same size. The color more nearly resembles the Burrell Gem, and it has the salmon-colored flesh of that variety. The quality is extra fine, being sweet and spicy, and deliciously melting and sugary. A splendid breakfast melon and will stand shipment for long distances. It is early in maturing, the originator claiming it to be two weeks earlier than Rocky Ford, and this is a very desirable feature for the market grower. For the home garden it will be found a splendid melon, as it is very vigorous and productive and the quality is all that might be asked. Our seed is from the originator. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25.

OSAGE.—One of the best melons for family use and also greatly liked by gardeners. Flesh is salmon color, remarkably sweet and spicy in flavor, extremely thick and delicious to the rind. Seed cavity is very small. It is seldom that one of poor quality is found. The whole crop is very even and extra heavy, owing to the thickness of the meat. It is of medium size, oval, slightly ribbed. Skin is thin, of dark green color and covered more or less with shallow netting. We have taken a great deal of pains to develop the thick, deep, rich colored and fine flavored flesh of this sort, and a careful comparison proves it to be unequalled. All lovers of fine melons should try the Osage. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25.

IMPROVED GREEN NUTMEG.—A greatly improved strain of the old Green Nutmeg. Fruit of a medium size, very rich, melting and of exquisite flavor; flesh light green. Very productive. The original variety was a standard sort for many years, and is one of the best main crop sorts. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.

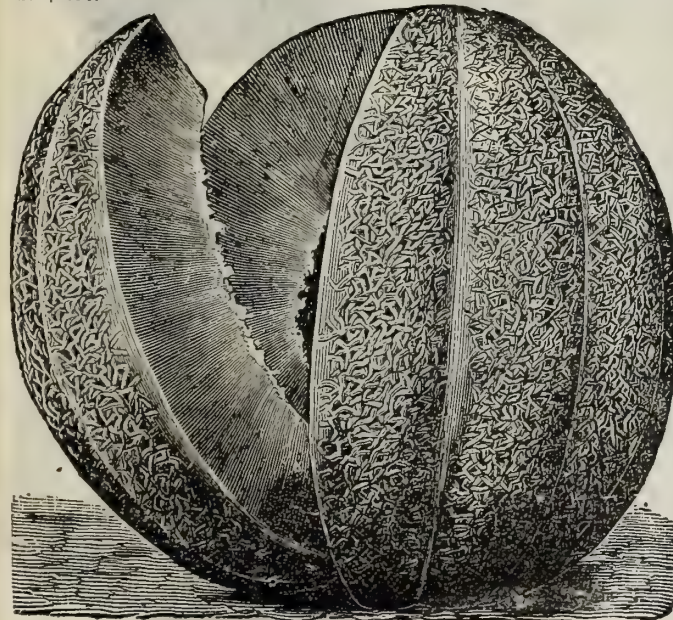


THE ORDWAY CANTELOPE.

IMPROVED EARLY HACKENSACK.—Ready for the market fully ten days ahead of the well known Hackensack, which it resembles in size, shape and quality, weighing from 5 to 12 lbs. each. Very productive, averaging five to six melons on the vine, all of them deeply netted; flesh light green. Shape is round, flattened at the ends and ribs are prominent. Quality fine and a splendid market melon, as it ships well. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25.

NETTED GEM.—An excellent small melon, very popular with melon growers. Finely netted, and looks nice in the market. Flesh green and particularly rich and juicy. This is the parent variety of the Rocky Ford type of melons and is grown in preference to the more recent strains in many parts of the country. Our stock of this is from one of the best growers in the country, is fully equal to the Rocky Ford strains as commonly sold, and we are sure will please our customers with its fine flavor. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

TIP TOP.—(Orange flesh.)—This is a fine, nearly round in shape melon of such attractive appearance as to always sell quickly in the markets. It is sweet, juicy and delicious. The flesh is firm but not hard, and is edible almost to the rind. The melon is of medium to large size, evenly ribbed and moderately netted; a strong grower, heavy yielder and of handsome appearance, and is one of the best of the orange fleshed sorts. Its appearance on the market stall is very attractive, sells on sight; customers soon learn to pick them out and will have no other variety. Particularly adapted to the West. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.



OSAGE MUSK MELON.

SEVERAL ADDITIONAL VARIETIES OF MUSK MELONS ARE LISTED ON THE NEXT PAGE

MUSK MELON===Continued

PAUL ROSE.—Named for its originator who produced it by a cross of Osage and Netted Gem, combining sweetness and the high flavor of the former with the fine netting and shipping qualities of the latter. In size about midway between the parent sorts, with salmon flesh, and is a splendid melon for hotel and restaurant trade. Peculiarly sweet, rich, delicious flavor, and a long keeper and good shipper. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

THOROUGHbred ROCKY FORD.—This variety, well shown by our illustration, has everywhere been in great demand by the high-class hotels and restaurants. Hundreds of carloads have been shipped from the little town of Rocky Ford, Colorado, to the large cities, driving out the home grown. Of just the right size for table use, slightly oval in shape, flesh thick, of light green color, and fine, juicy, luscious flavor. Very early and wonderfully productive. Our seed is from choice specimens in the crop of the best melon grower at Rocky Ford who grows the Thoroughbred or pedigree stock of this variety. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

ORDINARY ROCKY FORD.—Saved from ordinary melons which are too ripe for shipment. It will be free from mixture and while not so choice as our thoroughbred strain will produce an excellent crop of fine-flavored melons. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 70c.

GRAND RAPIDS.—This is an extremely early variety. Flesh is of pure yellow clear to the rind; skin finely netted. To obtain best results pinch off the runners, throwing the growth into the fruit, making it larger and earlier. This is much larger than the Rocky Ford type, averaging in size with Osage, but is claimed by market growers to be the earliest of the larger varieties. It is of handsome and attractive appearance and quality is good. Is certainly a desirable sort for the market grower. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

EMERALD GEM.—Undoubtedly the finest in flavor and the earliest to ripen, and while too soft to stand shipping any great distance, is unequaled for home use or nearby markets. Vines of strong and vigorous growth; very prolific. Is rather small and flattened at both ends. Emerald green, smooth and free from netting, heavily ribbed, with narrow bands of lighter green between ribs. Flesh very thick, crystalline appearance, and of rich salmon color. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

BAY VIEW.—Fruit of largest size, frequently ten or fifteen pounds. Deep ribbed and coarse netted. Best of large, late maturing sorts. Many persons prefer the old

form of musk melon which was large and long, and we offer this as the best of the type. It is of good flavor, productive, with firm flesh, and does not rot quickly. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

EUROPEAN-AFRICAN MIXED.—Grown in Europe in preference to American sorts. We do not think them as good as ours, but you may like them better so we suggest you try them. Mixture of many kinds. Pkt. 10c.

BANANA.—Attains a length of from 18 to 40 inches; from 2 to 4 inches thick. Flesh very thick, of salmon color. It looks almost like an overgrown banana and smells like one, hence its name. Has a peculiar flavor, differing from ordinary musk melons, and by some is considered superior. Pkt. 5c, oz. 15c.

MIXED MUSK MELONS.—A mixture of the American varieties which we list, and desirable for the diversity it offers; making an appeal to all different tastes. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

CASABA MUSK MELONS

This is a class of very late maturing musk melons which do not ripen on the vines in the north, but are gathered before freezing weather and stored in a cool place and brought to a warm room for ripening; can be eaten any time up to Christmas as they keep very long. Shipped from California in carloads during winter.

WINTER PINEAPPLE, or Santa Claus.—The original, round form, green, best keeper of all. Pkt. 10c, oz. 25c.

WHITE'S FAVORITE.—Shaped like Winter Pineapple; beautiful golden color when ripened. The best flavored of this type, but will not keep so long. Pkt. 10c, oz. 25c.

GOOD RESULTS EAST AND WEST

Our order was received in good shape and we thank you for the extras. The Iowa Seed Co. is the best in the world.—Mrs. Adam Weinman, Phillipsburg, Kansas.

I thought I would write you a few lines and let you know I had great success with the seeds I received from you last spring.—Chas. Spainhower, New Eagle, Pennsylvania.

We received the garden seed and were surprised that it came so quickly. Thank you for many favors.—Mrs. F. VanAalsburg, Lynden, Washington.

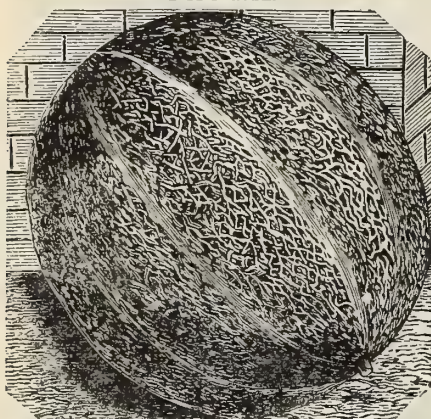
Every seed purchased from you has proven to be just as represented and I cannot say too much in their favor.—Edwin S. Sparhawk, Greenwich, N. Y.

I have used your seeds for the past three years and find them to be the best seeds and largest packages I ever bought.—Mrs. J. E. Broadford, Burr Oak, Kansas.

A HOME GROWN MUSK MELON IS ALWAYS SUPERIOR TO ONE BOUGHT IN MARKET



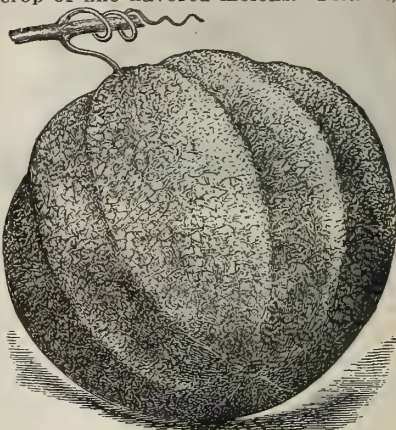
PAUL ROSE.



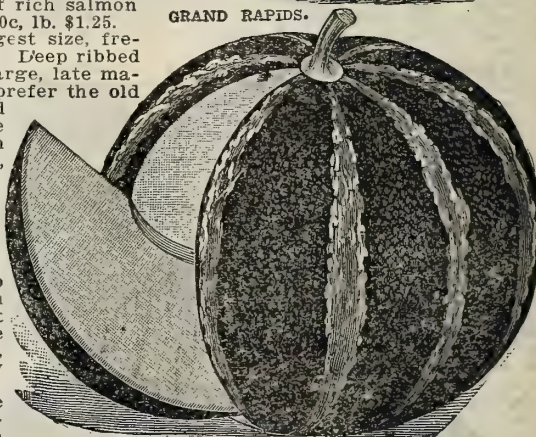
ROCKY FORD MUSK MELON.



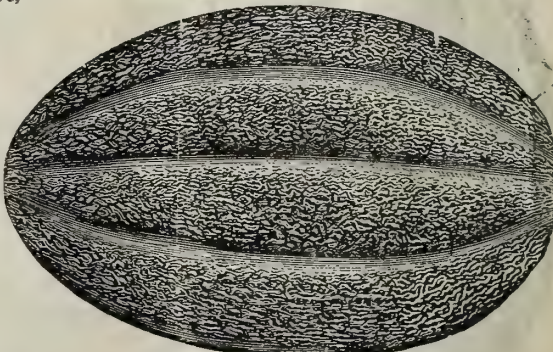
AFRICAN MUSK MELON.



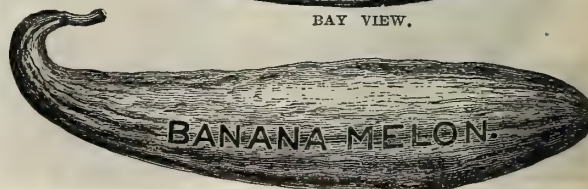
GRAND RAPIDS.



EMERALD GEM MUSK MELON.



BAY VIEW.



BANANA MUSK MELON.

WATER MELON

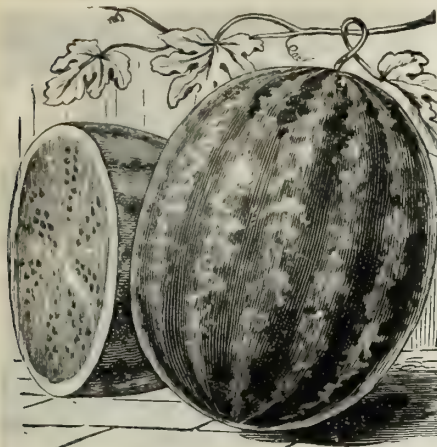
(One ounce is required for forty hills; three pounds will plant an acre.)

A light, sandy soil, with good exposure to the sun, is the best for water-melons. It should be prepared deep, but receive shallow cultivation. Hoe often and thoroughly. Plant in hills 8 to 10 feet apart each way. Plant 8 to 10 seeds in a hill, and finally, when danger of insects is past, leave but three strong plants. Thousands of melon growers depend on us annually for their seeds and are universally pleased, claiming that nowhere have they ever obtained seeds so pure and reliable. It pays to have the best. Packets contain about one hundred seeds.

COLE'S EARLY.—Decidedly the finest variety for the private garden, but is too brittle for long shipments. It is very early and will mature farther north than most other sorts. Of medium size, very productive, continuing to bear throughout the season. Flesh of bright red color, of granulated, sparkling appearance. In flavor lusciously sweet and refreshing. Pkt. 5c, oz. 10c. $\frac{1}{4}$ lb. 25c, lb. 75c.

FORDHOOK EARLY.—Large early sort. From seeds planted May 10th, ripe melons have been produced the last of July. The rind is tough, making it valuable for shipping. Color is uniform medium green; flesh red, very sweet. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

PEERLESS, or Ice Cream.—(White Seeded.)—Of unquestionable quality, very early, medium size, thin rind, flesh bright scarlet. Rind too thin for shipping but it is the great home market melon and has occupied a high place in all seed lists for many years. Few, if any, sorts surpass it in melting, delicious quality. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.



COLE'S EARLY

TOM WATSON.—A new variety destined to become a leader among melons, because of quality and shipping excellence. There is no variety to our knowledge that combines both essentials as does this melon. Most sorts of extra quality are not tough enough to ship, and most shipping melons are too tough to excel in quality. The Tom Watson is a large, oblong melon, the skin of which is dark green, with thick netting on the entire surface, quite distinct from other varieties. It averages 18 to 24 inches long and 10 to 12 inches in diameter and weighs 50 to 60 pounds. The rind is thin but tough and flesh a bright, attractive red color, crisp, sweet and delicious. The heart is large with no core. Seeds brown, tipped white. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

GOLDEN SWEET.—There is a demand for yellow fleshed melons to contrast with red sorts for table service, and in the variety we have the unique color of flesh combined with quality that will make it a fit companion for the sweetest red sorts that grow. The Golden Sweet is a most delicious and fine flavored melon, unsurpassed for sweetness and aroma. The outside skin is dark green, shape oblong, as shown in the illustration, size medium, a little larger than Monte Cristo, averaging about 20 pounds in weight, and just right for family use. The rind is very thin, not more than half an inch in thickness, but is hard and will carry without cracking or bursting the flesh. The color of the flesh is golden yellow, some specimens showing a lighter shade of lemon yellow, and the flesh is solid, smooth and contains comparatively very few seeds. For several years our customers have been asking for a yellow fleshed melon and we offer the Golden Sweet with full confidence that we shall please our patrons. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c.



TOM WATSON

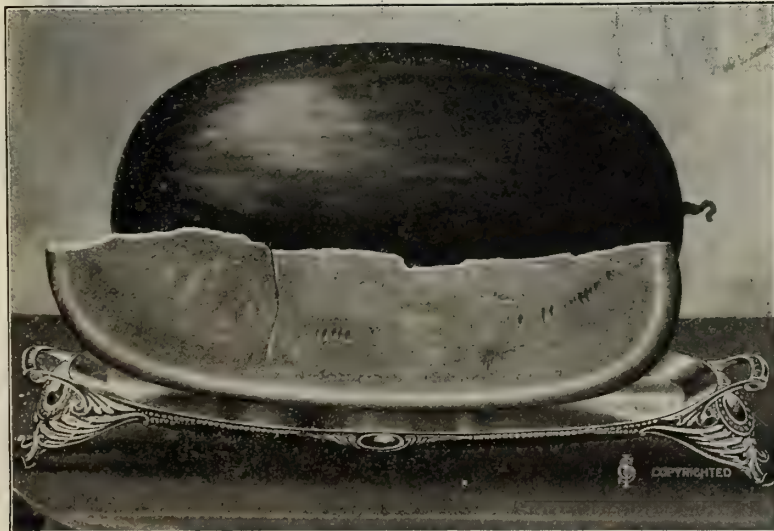
KOLB'S GEM.—For many years a favorite sort among northern market growers. On account of its excellent shipping qualities it is extensively grown for that purpose. Nearly round; color a dark green with lighter narrow strips. Very thin rind; flesh bright red, good flavor. Our seed is choice. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

LONG LIGHT ICING.—An old standard variety, still in great demand by market growers. Is a melon of splendid quality with the attractive bright red flesh so desirable. The fruits are large, oblong in shape, with light colored rind, making it distinctive. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

DUKE JONES.—A magnificent large melon; dark green rind, slightly striped; flesh bright red, very juicy and delicious. Medium early, very prolific; is much larger than Kolb's Gem. A carload of 800 melons, averaging 43 lbs. each, were gathered from two-thirds of an acre. One grower writes that they produced ripe melons in 65 days. Has been grown to immense size, and even the largest specimens hold their good flavor. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

GYPSY, or Georgia Rattlesnake.—A superior early market variety; large, oblong; skin is green, mottled and striped. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

MIXED.—Twenty-five varieties of the finest water-melons, largest, earliest, sweetest; grown separately; seed carefully mixed by us. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.



NEW GOLDEN SWEET

WATER MELON--Continued

IMPROVED TRIUMPH.—Undoubtedly the largest of all melons, having been grown to the extraordinary weight of 149½ lbs. It is also very productive, as melons aggregating over 800 lbs. have been grown on one vine. Isn't that enough to make the pickaninnies dance, as shown in our picture? Governor Candler states that he had one of the Triumph melons weighing 132 lbs., which was sufficient to supply the 43 persons present with all they could eat. It is of dark green color, matures in good season; flesh is dark red, solid, and of excellent quality. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 65c.



C. B. Vail, the noted melon grower of Muscatine, Iowa, writes us: "We are sending a sample of Triumph Melon to you today, weighing 62 pounds. I have shipped several carloads of this variety this year which averaged nearly 50 pounds each."

SWEETHEART.—This is a favorite Des Moines market sort. It is early, large, handsome, heavy, good shipper, long keeper, bright color and of good quality. Vines are vigorous and productive, ripening fruit early. The fruit is large, oval, very heavy, uniformly mottled light green and dark green; rind thin but firm, solid, but very tender, melting and sweet. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

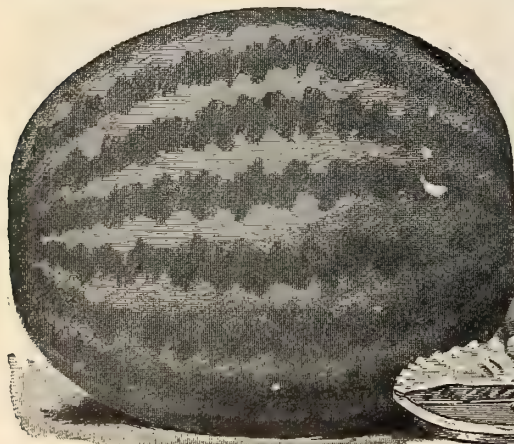
IOWA STANDARD.—This fine new variety has become very popular and wherever grown has become a favorite. It is greatly liked by Iowa market growers and is shipped in car lots from Muscatine. The color is dark green, with very small, fine striping, and type and shape are well shown in illustration. It is medium to large in size, and fruits run very even, nearly all being marketable as No. 1. Flesh bright red, stringless, of extra quality, equal to Monte Cristo, and by some preferred to that well known sort. Is one of our specialties and we recommend it without hesitation. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.

MCIVER'S WONDERFUL SUGAR.—This is a famous melon for sweetness and high quality. The fruits are long and of large size, averaging about 35 lbs. each. Is considered one of the handsomest melons, being rather light colored, irregularly striped and mottled with dark green. Rind is rather thin but tough; a good shipper. Flesh is delicate light red, entirely stringless and tender, juicy and luscious. Vine is strong, vigorous grower, very prolific and withstands extremes of weather, either wet or dry. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

MOUNTAIN SWEET.—The old standard, still quite popular in the north where the large fruited southern sorts do not ripen. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c.

MONTE CRISTO, or Kleckley's Sweets.—A wonderfully popular variety. Stocks of seed last year were entirely exhausted before the end of season. You must order early if you want Monte Cristo. After testing all varieties of melons, we do not hesitate to pronounce this one of the sweetest, juiciest, most delicious melons in existence, and it is especially desirable for the private family. The skin is dark green, faintly striped; flesh bright red and peculiarly rich, crisp and pleasant flavored. It ripens early, is of large size, is a good shipper and a long keeper. Market gardeners will also be pleased with it. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 85c.

Two years ago I bought an order from you and can truly say I never had better seed in all my gardening.—W. H. Moore, York, Nebraska.



Apple
Pie
Melon



IOWA STANDARD



CITRON MELONS

Nice for preserving and largely used for this purpose.

APPLE PIE.—This is a novelty which will be appreciated in many sections of the country. Vine and fruit are quite similar to a watermelon and are easily grown on any good soil. Each vine produces from 5 to 15 fruits and one of the large size will make as many pies as a half bushel of apples. The flesh is white, solid throughout and of excellent quality for making pies, sauce, preserves, etc., and it resembles apples in flavor. They keep nice and fresh all winter, so that they can be used at any time and any surplus can be fed to the live stock. It will pay to raise them for this purpose alone as they can be kept and fed all winter. Pkt. 10c, oz. 25c.

COLORADO PRESERVING.—This is a large-fruited strain of Citron for preserving. Flesh clear white and very solid. Green seed. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.

RED SEEDED CITRON.—Round, dark green, striped and mottled with light green. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.

WATER MELONS ARE LIKED BY EVERYONE, AND ARE BEST WHEN GROWN AT HOME

MUSHROOMS

The ease and certainty with which a crop of mushrooms can be grown to perfection in an ordinary house cellar, woodshed or barn, and the astonishing success of so many who have taken up this new industry, both for profit and their own use, induces us to call especial attention to the subject. The great luxury of mushrooms can be enjoyed by all at a trifling expenditure of money, time and labor. We recommend our English mushroom spawn as generally better both for the market garden and the private planter. Directions for culture sent on application. Per brick of about 13 lbs., by mail, 40c. By exp. or frt., 5 bricks 85c, 25 lbs., \$2.25, 100 lbs. \$7.50

MUSTARD

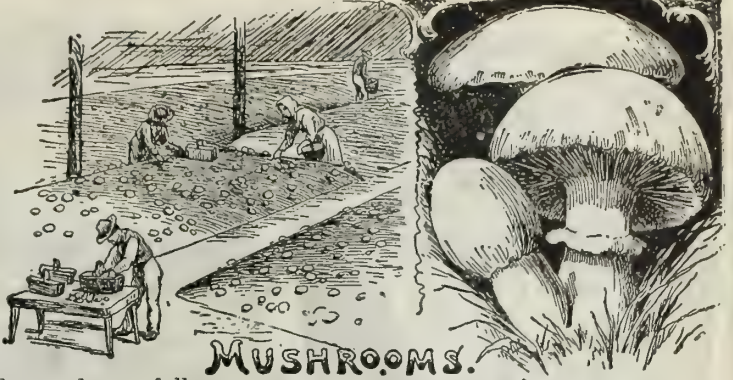
A pungent salad, used with cress or for greens. Sow thickly in rows, cut when about two inches high. One ounce will sow about seventy-five feet of drill.

OSTRICH PLUME.—Leaves long, ruffled, frilled and curved gracefully as an ostrich plume; desirable for garnishing. Can be cut quite early; excellent for "greens." Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

SOUTHERN GIANT CURLED.—True curled leaf variety so popular in the south for planting in fall to furnish early spring salad; also fine for spring sowing. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

CHINESE GOLDEN.—Thick, finely curled leaves of bright golden yellow. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

WHITE ENGLISH.—Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 40c.



MUSHROOMS.



WHITE VELVET OKRA

seen. Grows on pretty vine; fruit is round, yellow, irregularly striped with orange, red or mahogany; fragrant; a specimen will perfume a room many days. Pkt. 10c, oz. 25c.

OKRA

(One ounce will sow about 80 feet of drill.)

Why not try Okra this year? It is extra nice for soups, stews, etc., and also much liked when pickled. Sow at the usual time of tender vegetables in drills 2 in. deep, leaving the plants 2 to 3 ft. apart. Pick pods while quite young and still tender and slice crosswise before cooking.

WYRICK'S NEW GIANT.—Wonderfully productive. Pods shoot out from the stalk within 3 inches of the ground, and the whole plant is covered with them. Pods are vivid green, 8 to 9 inches long, slender and do not harden as is the case with other varieties. Best for canning. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

WHITE VELVET.—Pods round, smooth and of an attractive white, velvety appearance, very tender and of superior flavor. In the south where Okra is grown by almost everyone, this is considered the choicest quality. Plants dwarf and very productive. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 65c.



SOUTHERN GIANT CURLED MUSTARD

POMEGRANATE

Ornamental little fruit commonly grown in gardens a century ago, but now rarely seen. Color white, each kernel being striped bright crimson like the old-fashioned Calico field corn. It has true rice grains, ears of good size, yields big crops, and pops fine and large and exceedingly tender. Popular for home growers because of quality. Pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 50c.



POMEGRANATE

POP CORN



PAGE'S STRIPED RICE

It pays to raise pop corn as a general crop. The demand usually exceeds the supply. Some farmers claim it is as easily grown as field corn and they receive three or four times the amount per acre for the crop. For main crop the Monarch White Rice will bring the best price per pound as it is better known. Let the children try a patch. Ask for price in quantity. We also buy and sell pop corn for popping and will be pleased to make offers or quote prices on application. Of course such corn cannot be sold for germination.

MONARCH WHITE RICE.—This is our own strain of large rice pop corn and has been bred up to splendid form and wonderful productiveness. We believe it is the best white variety. Bears three to six ears per stalk and yields 1,800 to 2,500 lbs. per acre. The grain is rather large and in popping expands to great size. If you are growing pop corn for market we urge you to plant Monarch White Rice as it will yield better returns than any other kind. Pkt. 5c, $\frac{1}{2}$ pt. 12c, qt. 35c. By express, $\frac{1}{2}$ pk. 65c, pk. \$1.20.

PAGE'S STRIPED RICE.—Introduced by Iowa Seed Co. A beautiful and attractive variety. Color white, each kernel being striped bright crimson like the old-fashioned Calico field corn. It has true rice grains, ears of good size, yields big crops, and pops fine and large and exceedingly tender. Popular for home growers because of quality. Pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 50c.

QUEEN'S GOLDEN.—This produces a large ear, and large, smooth grain of a peculiar lustrous golden yellow. Matures early and is very prolific. Grown by many poultrymen for feeding, as the grain is of right size and flinty, making especially good feed for growing fowls and pigeons. It pops splendidly, the general appearance of the popped corn being a rich cream color, peculiarly attractive. Pkt. 5c, $\frac{1}{2}$ pt. 12c, qt. 40c.

MAPLEDALE PROLIFIC.—The best of the smooth grain white varieties. The ears are of medium size, but there are so many to the stalk that the average yield is extra large. The grain is rather small and is preferred by market poppers because it goes farther than the larger grained sorts. It pops splendidly and will produce a larger proportion of popped corn per pound of grain than the larger sorts. On account of the smooth grain it is much nicer to handle than the rough rice kinds. Pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 40c.

Ten years ago my first order of seeds from you was 35 cents. It has increased each year since until this year it reached \$102.00. Alex Pearson, Wakefield, Neb.



Good onion seed is of the utmost importance as it is one of the most important crops grown, and there is no other vegetable where the quality of the seed exerts a greater influence upon the crop than onions. There is more money in onions grown from seed than almost any other crop. Fully realizing this, we have for many years made a specialty of onion seed which is all grown from choice, selected bulbs, critically examined before being set out for seed. In vitality it is very strong, being carefully tested, and we are sure that **OUR ONION SEED CANNOT BE EXCELLED** in purity, vitality or high quality. Large onions can easily be grown the first year from the seed by obtaining our American grown onion seed. The crop was short this year and prices may advance. In comparing our prices with others, remember that we **pay the postage**. Deduct ten cents per pound if to be sent by express. Ask for prices in large lots.

LARGE WHITE GLOBE.—The handsomest market variety; beautiful, clean, pure, silvery white bulbs of large, even size, globe-shape, mild and pleasant flavor, and outsells every other variety. Undoubtedly the best white sort. Will yield as many bushels per acre as any of the American varieties. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 65c, lb. \$2.25.

WHITE PORTUGAL or SILVER SKIN.—Standard white variety for general culture. Bulbs grow to good size, ripening early and quite evenly. A good keeper. Flesh is very mild and sweet; the skin a clear, silvery white, of very handsome appearance. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.



IOWA STANDARD, or Golden Globe.



—Offered by us as the very best yellow globe-shaped onion for general culture. We prefer it to the red varieties because it is of mild flavor and much more handsome. Will keep sound and good under conditions that render other sorts worthless. The bulbs are always uniform in shape, size and color. Is surely thoroughbred, and the entire crop looks like carefully hand-selected onions. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.75.

SOUTHPORT RED GLOBE.—This is a very handsome variety and is deserving of general cultivation. It is medium early (none of the perfectly globe-shaped onions are as early as the flat varieties), grows to a large size, skin deep red, flesh fine grained, mild and tender. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.75.

YELLOW GLOBE DANVERS.—A handsome, globe-shaped variety of large size, yellow skin, white flesh, fine grained, mild, very firm and the best of keepers. Has yielded 1,000 bushels per acre, and one of our customers states that his crop averaged over 800 bushels per acre for 9 years. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.35.

WHITE BERMUDA.—A favorite in the south. Grown for the northern markets during winter and early spring. Popular because of its very mild and palatable flavor. Pkt 5c, oz. 30c, $\frac{1}{4}$ lb. 80c, lb. \$2.75.

EXTRA EARLY BARLETTA.—Is a distinct new variety; the very earliest onion in cultivation. Fully two weeks earlier than the Early White Queen, which heretofore has been the earliest variety on the market. They are of pure paper-white color, very mild and delicate in flavor, $1\frac{1}{2}$ in. in diameter and $\frac{3}{4}$ in. in thickness. For table use and pickling it is most valuable. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.75.

CULTURE.—One ounce will sow about 100 feet of drill; 4 pounds will sow one acre. The soil for onions should be a rich loam thoroughly enriched with well-rotted manure and pulverized before sowing the seed. It should be as free from weeds and grass as possible. As early as the ground can be worked in the spring, sow the seed in drills 14 inches apart, covering one-half inch. Commence hoeing as soon as the rows can be seen; skim the ground over the surface; avoid stirring deeply, and work the soil away from the bulbs. At second hoeing weed carefully and thoroughly by hand. For pickles or sets the seed should be sown very thickly and in broad drills, about 50 pounds to the acre for sets, and 15 to 20 pounds for pickling. For sowing seed and cultivating the crop, it will pay you to purchase a good drill and hand cultivator. See description elsewhere. Lang's Hand Weeder, price 30c, postpaid, is the best hand weeder made.

LARGE RED WETHERSFIELD.

—The standard sort throughout the west; the most hardy and immense crops can be raised when more tender sorts are not profitable. Growers who prefer the red varieties will find this magnificent strain far surpassing the ordinary Red Wethersfield in size, productiveness and keeping qualities. Of finest form, skin deep purplish red, flesh purplish white, finer grained than many of the red sorts. Our seed of this is extra select and cannot be excelled. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c, lb. \$1.50.

EXTRA EARLY RED.—Matures very early. Of medium size, flat shape, deep red in color; very close grained, solid and heavy; will often form bulbs in cold and mucky soils where other varieties fail. Recommended particularly for the north and northwest where the seasons are short and cool. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c, lb. \$1.50.

AUSTRALIAN BROWN.—Color is a peculiarly clear amber brown, quite distinct from any other variety. Per pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

YEARKEEPER.—This fine new variety, which we introduced, and which we most highly recommend, may be briefly described as round as a ball, solid as a rock, cuts like an apple, fine grained, and as bright yellow color as a twenty-dollar gold piece. Yields an immense crop and keeps over until the following summer. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c, lb. \$1.50.

BIG ONIONS

For table use large onions are much preferable to small ones and they bring a better price on the market. The varieties listed on this page are of immense size, splendid quality and yield wonderfully large crops. While they do not keep quite as well as some other kinds, still they are usually good till January or February.

The 4 Giants

One Packet Each of
Mammoth Prizetaker
Copper King
Giant Vesuvius and
Silver King

FOR ONLY 18 CENTS

With each of these "Four Giant" collections we will send a circular giving full directions for "GROWING BIG ONIONS."

MAMMOTH PRIZETAKER

—(See cut No. 1)—One of the largest, handsomest, finest flavored, and in every way a choice variety of yellow onion, having been grown to enormous weight of over 6 lbs. Of a clear, bright straw color, and uniform, perfect globe shape. Produces enormous crops, one report being of over 1,200 bu. per acre, and they bring an extra price, being sold on the market as fancy onions. Keep wonderfully well. Our seed is unexcelled, and is in great favor with our customers in all parts of the United States. They ripen up hard and firm, and present the handsomest possible appearance in market, while the pure white flesh is fine grained, mild and delicate in flavor. To grow the largest size, sow seed early in hot beds and transplant to open ground as soon as weather is favorable. Pkt. 5c; oz. 15c; ¼ lb. 60c; lb. \$1.40.

COPPER KING, OR MAMMOTH POMPEII.—(No. 2)—Have been grown to the enormous weight of 5 lbs. 6 oz., and not withstanding their large size they retain their shape and fine quality. To obtain an idea how large this really is, just weigh the largest onion you can find and compare weights. Copper color, flesh white, fine grained, mild. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. \$1.60.

MAMMOTH SILVER KING.—(No. 3)—The largest white onion, no other approaching its mammoth size. Of attractive form, flattened, but thick through as shown in cut. Often weigh from 2½ to 4 lbs. each. Beautiful silvery white; flesh snowy white, sweet and tender and can be eaten raw. Matures early; of uniformly large size, perfect shape and bring a high price in market. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. \$1.60.



GIANT VESUVIUS.—(No. 4)—This mammoth variety is a foreign sort. It is well shown by our illustration. In rich soil, under good cultivation, they grow to an immense size the first year. They are of a handsome globe shape, somewhat elongated, and are veritable beauties. Will attract attention anywhere. The color is almost blood red; flesh is nearly white and quality most excellent. This variety is much more tender and mild than the American sorts. Pkt. 10c; oz. 25c; ¼ lb. 90c; lb. \$2.00.

AILSA CRAIG.—A mammoth variety introduced from England, where it has exceeded all other varieties in size, and because of its very light (almost white) color is exceedingly popular as a market sort. It is claimed that the largest onion ever produced was of this variety, weighing nearly seven pounds. Shape and style of the Prizetaker. Color is pale straw yellow. Flavor is exceedingly mild and sweet and its appearance is so attractive that it will command the highest prices. Pkt. 10c; oz. 50c; ¼ lb. \$1.50.

ONION SETS

For early onions for bunching; ready for table in a very few weeks. Is cheaper to grow from seed but considerable work to weed, and many prefer to buy sets. Price by pint and quart includes postage; deduct 10c per quart if by express.

POTATO ONION SETS.—A species of Multiplier Onion, increasing from bulb; early; matures quickly; mild. Pt. 20c, qt. 35c; not prepaid, pk. \$1.10, bu. \$3.75.

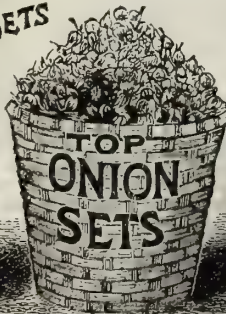
WHITE MULTIPLIER ONION SETS.—Pure silvery white; frequently producing as many as twenty bulbs in a single cluster; excellent quality; very early. Pt. 20c, qt. 40c; not prepaid, pk. \$1.35, bu. \$4.50.

RED TOP SETS.—Commonly known as Button Onion Sets. Pt. 20c, qt. 40c; not prepaid, pk. \$1.00; bu. \$3.50.

PERENNIAL or Winter Sets.—Also called Egyptian or Tree Onions. Usually set in fall; produce earliest spring onions without winter protection. Do not make large bulbs. Pt. 15c, qt. 25c; not prepaid, pk. 65c, bu. \$2.00.

WHITE BOTTOM SETS.—White onion sets from seed are best for early use and large onions. Pt. 20c, qt. 30c, postpaid; not prepaid, pk. 90c, bu. \$3.25.

BOTTOM ONION SETS



POTATO ONION SETS



RED BOTTOM SETS.—Are like the white, except that they are of dark red color. Very hardy. Pt. 15c, qt. 30c; not prepaid, pk. 90c, bu. \$3.00.

YELLOW BOTTOM SETS.—Like the white, except color. More used than any other kind. Pt. 15c, qt. 30c; not prepaid, pk. 90c, bu. \$3.00.

GARDENERS WHO USE ONION SETS IN LARGE QUANTITIES SHOULD ASK FOR SPECIAL PRICES

PEAS

(One quart will plant about 100 feet of drill;
2 to 3 bushels per acre.)

Peas mature quickest in light, dry soil, not too rich. May be sown as early as the ground can be worked, and for a succession every two weeks up to July; or, what is better, select several kinds which will form a succession in maturing. Sow in drills 2 to 4 feet apart, according to varieties, and 3 to 4 inches deep for general crop, although the first earliest will come to maturity sooner if only covered 1½ inches. The wrinkled sorts are marked *. They should be sown thicker in the row than the smooth varieties; they are more liable to rot if the ground is wet. Owing to the unseasonable weather of last spring and early summer the crop is almost a total failure this year. There are not enough seed peas in the country to meet all demands, and while we have a fairly good supply we suggest to advance before planting time. The quart or less only. Pints at discount if sent by express, not prepaid.

IOWA CHALLENGE.

you order early as the prices are likely to advance before planting time. Prices include postage on quantities by the quart or less only. Pints at discount if sent by express, not prepaid.

EXTRA EARLY SMOOTH VARIETIES

ALASKA.—Height 2 feet; pods rather small, dark green color, well filled; the earliest pea known, being two days earlier than the First and Best, and ninety per cent of the pods can be gathered at the first picking. Pkt. 5c, ½ pt. 15c, qt. 50c. By express, ½ pk. \$1.10, pk. \$2.00.

IOWA CHALLENGE.

—An extra early variety of superior merit which is a favorite with Des Moines market gardeners. We can in confidence say that after a trial of nearly all extra early varieties we have not found one possessing more merit, hence its name. For the market gardener it has no superior. Is not only extra early and prolific, but of good flavor. All good qualities of Extra Early are most nearly brought to perfection in the Challenge. Height 18 inches. Pkt. 5c, ½ pt. 20c, qt. 60c. By express, ½ pk. \$1.40, pk. \$2.50.

FIRST AND BEST.

—An extra early variety of smooth peas which are very popular and have been a standard sort for many years. Are very productive and mature several days before Premium Gem or American Wonder. Pkt. 5c, ½ pt. 15c, qt. 50c. By exp. ½ pk. \$1.10, pk. \$2.



GRADUS, OR PROSPERITY.

EARLY DWARF WRINKLED VARIETIES

***AMERICAN WONDER.**—Popular extra early variety for family garden. Cannot be planted quite as early as smooth sorts; will not stand as much cold, wet weather but is far superior to them in flavor and table qualities. Dwarf, robust habit, growing about 10 in. high; produces a profusion of good-sized, well-filled pods of the finest flavored peas. Pkt. 5c, ½ pt. 20c, qt. 60c. By express, ½ pk. \$1.70, pk. \$3.00.

***PREMIUM GEM.**—This has been for many years the standard dwarf wrinkled peas for the family garden, and are also popular with market gardeners. It only grows 12 to 15 inches high and requires no support. It is an improvement on the McLean's Little Gem, being much more prolific than that variety. Pods are large, dark green, and the quality of the peas is superior to most sorts. Pkt. 5c, ½ pt. 20c, qt. 60c. By express, ½ pk. \$1.55, pk. \$2.75.

***GRADUS, or Prosperity.**—One of the finest for family use. This remarkable pea is not only large and of the best quality but it is nearly or quite as early as the small, round, extra early sorts. It is a wrinkled pea with vine growing about 20 inches high. The pods are of a bright green color and measure 4 inches or more in length, and are well filled with luscious peas—8 to 10 or more in a pod. Of the highest table quality and retain in a remarkable manner their color and attractive appearance after cooking. A grand pea in all respects. Crop almost a failure. Pkt. 10c, ½ pt. 25c, qt. 75c. By express, ½ pk. \$2.20, pk. \$4.00.

***NOTT'S EXCELSIOR.**—A superb new variety, and we are sure our customers will welcome it as an ideal family garden pea. It is fully as sweet and delicious as the American Wonder and grows one-half taller. Pods are larger and it is far more productive than the Premium Gem, and it is within a day or two as early as the first early smooth peas. Mr. Geo. Buchanan writes: "I found these peas very distinct, pure sort, with many marked excellencies over the American Wonder, Premium Gem, Advancer, etc. The peas were ready for table use within forty-three days from planting." Quality very superior. Pkt. 10c, ½ pt. 20c, qt. 60c. By exp., ½ pk. \$1.70, pk. \$3.00.



PEAS==Continued

SECOND EARLY AND MAIN CROP VARIETIES

***ABUNDANCE.**—This is a standard medium or second early, and is also used largely for main crop planting. It follows Premium Gem and Nott's Excelsior in time of maturing. It is very prolific, producing an abundance of good sized pods, containing fine, large peas of exceptional quality—tender and sugary. We recommend it for home garden planting. Crop is very short this year and unless you order early we fear we shall run out of stock of this variety. Pkt. 5c, $\frac{1}{2}$ pt. 20c, qt. 60c. By express, $\frac{1}{2}$ pk. \$1.70, pk. \$3.00.

***DWARF CHAMPION.**—This is a great improvement on Champion of England, which has been one of the sweetest, best, and most popular varieties for the last thirty years. The old variety is very tall (6 ft.), while this new sort grows only 2½ ft., and still vines are vigorous with a great profusion of very large pods filled with large-sized peas of superior quality and very sweet. Medium late and suited to main crop. Everyone who wants extra choice peas for family use should have these. Pkt. 5c, $\frac{1}{2}$ pt. 20c, qt. 65c. By exp., $\frac{1}{2}$ pk. \$1.70, pk. \$3.00.

***IMPROVED STRATAGEM.**—The most popular late variety for market or family use. It is preferred because of the immense size of pods and peas and the exceptional sweetness and tenderness of the peas when ready to use. Does not grow very tall, being really a half dwarf sort two to three feet high, and does not require support, though it will repay for the labor of training up with greater yield and longer bearing season. It is a vigorous grower, of branching habit, and under favorable conditions an enormous cropper. Pods are large, long, and filled with seven to nine large peas of superior quality. Pkt. 5c, $\frac{1}{2}$ pt. 20c, qt. 65c. By express, $\frac{1}{2}$ pk. \$1.70, pk. \$3.00.

***MAMMOTH LUSCIOUS SUGAR.**—This new sugar pea bears pods much larger than any other variety, often six or seven inches long and an inch and one-half broad. They should not be shelled, but the peas and pods eaten together, as they contain so much sugar, starch and gluten; are very nutritious for family use. Grows quite tall, five to six feet high, and requires support. Most popular and is decidedly a desirable variety. Pkt. 10c, $\frac{1}{2}$ pt. 30c, qt. 80c. By express, $\frac{1}{2}$ pk. \$2.25, pk. \$4.00.

***DWARF WHITE MARROW.**—An improvement on the old Large White Marrowfat. Fully as productive as the older sort, but does not grow so tall and rank. Is used almost exclusively for late midsummer planting by market gardeners and is very productive. Grows three to four feet and is best if supported, though support is not usually given where it is grown by gardeners in quantity. Pkt. 5c, $\frac{1}{2}$ pt. 12c, qt. 40c. By express, $\frac{1}{2}$ pk. \$1.10, pk. \$2.00.

***CHAMPION OF ENGLAND.**—Is an old variety, and is one of the finest flavored and most productive. Grows 4 to 5 feet high and requires support, but the fine quality and very large crop which it produces will more than repay any extra labor required. A strong, vigorous grower, and continues to bear for a long period. Pkt. 5c, $\frac{1}{2}$ pt. 20c, qt. 55c. By express, $\frac{1}{2}$ pk. \$1.55, pk. \$2.75.

***TELEPHONE.**—Immensely productive; finest quality; excellent sugary flavor; vines very strong, growing about 4 feet high and should be given support. Pods of large size, with 6 or 7 large, delicious peas. Pkt. 5c, $\frac{1}{2}$ pt. 20c, qt. 60c. By exp., $\frac{1}{2}$ pk. \$1.70, pk. \$3.00.

***EVERBEARING.**—One of the best for main crop planting. Grows about 2 feet high, strong and vigorous, branches in peculiar manner and will do nicely without support. Continues to bear and produce a crop all the season if peas are kept picked as they grow. Pods and peas are of large size, and fine quality. Recommended for the home garden as a satisfactory sort. Pkt. 5c, $\frac{1}{2}$ pt. 20c, qt. 60c. By exp., $\frac{1}{2}$ pk. \$1.55, pk. \$2.75.

KIND WORDS FROM CUSTOMERS

I am writing to thank you for your promptness in filling my order of seeds from you. This is my first order from your house. I am quite sure we shall do business again. I have planted a lot from them already under glass and find them good stock. A generous count, too.—A. V. Drown, Wisconsin.

I have planted your seed for several years and find them to be the best. Your bargain seeds give good satisfaction.—Mrs. W. D. McFarland, Humboldt, Iowa.

I would like to say in regard to the seed I ordered last year that they gave good satisfaction and I was well pleased with them.—Mrs. John Gulick, Lossing, Iowa.

I received the seeds all right and am much pleased. They are nearly all up and are doing nicely. I enclose another order.—Mrs. Nellie Hitean, Luther, Iowa.

I wish to say that seeds and plants bought of you last spring were a great success.—Miss E. M. Collen, Malcom, Iowa.

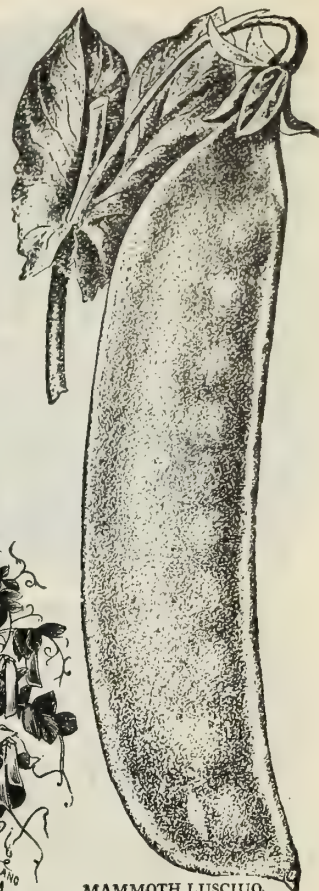
I received your seeds all O. K. and in good shape. It is all good and comes up nicely.—William F. Behling, Boone Co., Iowa.

For five years past your seeds have been all right.—Mrs. Scott Asher, Trenton, Mo.

Your seeds were very satisfactory last year. In fact, my garden was the best in all this country.—Mrs. W. W. Smith, Wagar, Ala.

FIELD PEAS

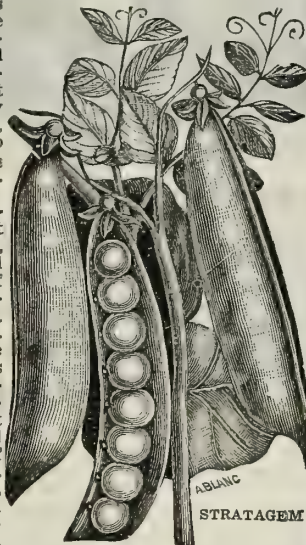
A splendid crop to sow with oats or barley for green feed. Will produce a crop and enrich the soil at the same time. Are listed and described with farm seeds on p. 56.



MAMMOTH LUSCIOUS SUGAR



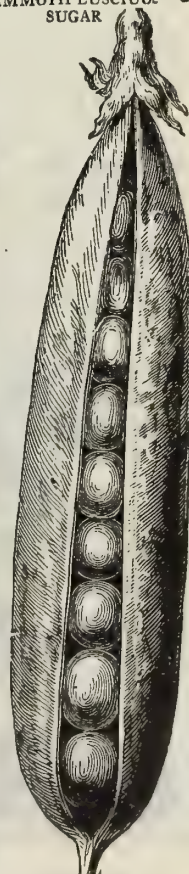
ABUNDANCE



ABUNDANCE



EVERBEARING



TELEPHONE

PLEASE READ THIS

Peas are scarce and high as for the past few years. We have reduced the prices this year in spite of the increased cost of production. There will be no profit on this item this year but we are going to protect our customers and serve them the very best we can under adverse conditions.

POULTRY WIRE NETTING MAKES A GOOD SUPPORT FOR THE TALL VARIETIES OF PEAS



MARKET GARDENER'S PARSLEY.

PEPPER

(One ounce will produce about 1,800 plants.)

Sow seed in hotbed early in spring; transplant to open ground when the weather is favorable, in warm, mellow soil, in rows 18 inches apart. Seeds germinate slowly and require considerable heat.

CRIMSON KING.—Similar to Ruby King in shape, as shown in cut No. 2, but very much larger, heavier, thicker in flesh and milder in flavor. It is in our opinion the best large pepper yet introduced and we recommend it to our friends without reserve. It will prove specially desirable to those who want peppers for "mangoes" and to gardeners who want choice large fruits for market. Pkt. 10c, oz. 50c, $\frac{1}{4}$ lb. \$1.50.

CORAL GEM BOUQUET.—(Cut No. 1.)—This new red hot pepper is the finest of the smallest sized varieties. Excellent for pepper sauce. Pkt. 10c, oz. 40c.

RUBY KING.—(Cut No. 2.)—Very large in size, $4\frac{1}{2}$ to 6 inches long by $3\frac{1}{2}$ to 4 inches thick. When ripe they are of beautiful bright ruby red color and are always remarkably mild and pleasant to the taste. Produces large, handsome fruit. Pkt. 5c, oz. 30c, $\frac{1}{4}$ lb. 90c.

CHINESE GIANT.—(Cut No. 3.)—Most gigantic of all Giant Peppers. A fine mild red pepper of enormous size, magnificent appearance and brilliant, glossy scarlet color. The flesh is mild and unusually thick. Makes an excellent salad sliced and served like tomatoes. Pkt. 10c, oz. 40c, $\frac{1}{4}$ lb. \$1.25.

KALEIDOSCOPE.—(Cut No. 4.)—A very ornamental new sort. The small fruit changes from cream color to canary, deepens to orange then turns into pink, until it becomes a deep, shining scarlet. Pkt. 10c, oz. 50c.

JAPANESE FANCY.—(Cut No. 5.)—A very ornamental variety, bearing little heart-shaped fruits of various colors, purple, white, yellow, orange, red, all on same bush. Pkt. 10c.

LARGE BELL, or Bull Nose.—(Cut No. 6.)—Early standard sort. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 75c.

RED CHILL.—(Cut No. 7.)—Small, long fruit, but very hot. Used for pepper sauce. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 75c.

MAMMOTH GOLDEN QUEEN.—(Cut No. 8.)—Average a third larger than Ruby King. Is 8 to 10 inches long; bright, waxy, golden yellow, and mild flavor. Pkt. 5c, oz. 30c, $\frac{1}{4}$ lb. \$1.



RED CROSS PEANUTS.

PARSLEY

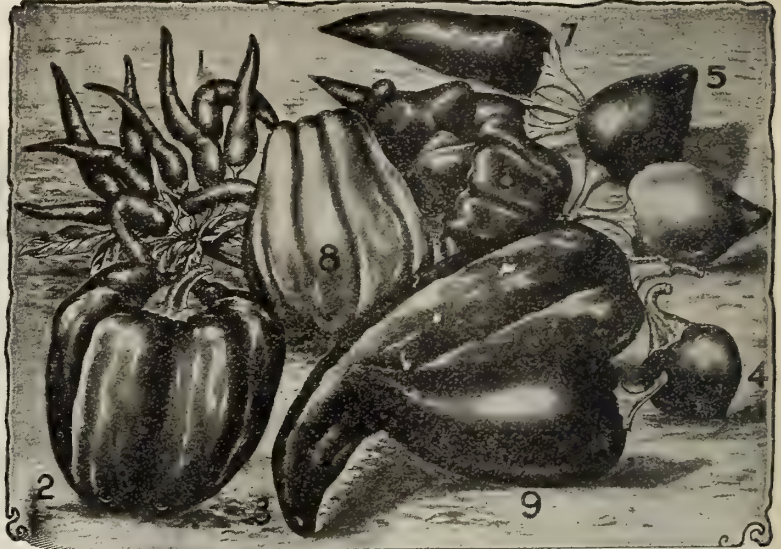
(One ounce will sow 150 feet of drill.)

Sow very early, thinly in drills one foot apart and half an inch deep. Soak seed in warm water a few hours before sowing. For winter use protect in a glass frame or light cellar.

MARKET GARDENER'S.—An extra choice stock with dark green beautifully curled mossy leaves, very ornamental in its growth and very productive. Valuable for either garnishing or flavoring. Earlier than other varieties and what is more important it retains its dark green color till late in the fall and continues to produce well throughout the winter when transferred to the greenhouse. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

CHAMPION MOSS CURLED.—A very select stock, finely crimped and curled. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

HAMBURG.—Turnip-rooted variety, used for flavoring soups, etc. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.



PEPPERS. Refer to numbers for description.

SWEET MOUNTAIN, or Mammoth.—This pepper is in shape similar to Large Bell, but fruits are much larger and not nearly so pungent. A splendid sort for making stuffed pickle. Has been a standard large pepper for many years. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 75c.

RED CAYENNE.—Pods long and slim, of medium size. Pungent. Used for pepper sauce. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 75c.

MIXED PEPPERS.—A choice mixture of all the above and several other fancy varieties. Fine for exhibition. Pkt. 10c, oz. 35c.

Pepper plants of the large varieties listed, on page 38.

PARSNIP

(One ounce will sow 200 feet of drills. Five lbs. will sow an acre in drills.)

Sow early in spring in good, rich soil, which has been plowed deep, in drills 15 inches apart, covering half an inch. Thin to 5 or 6 inches apart in rows. They are improved by frost.

IMPROVED TABLE GUERNSEY.—A greatly improved and wonderfully fine strain of the Guernsey Hollow Crown Parsnip. The roots do not grow as long as the Hollow Crown, but are of greater diameter and more easily gathered. Very heavy cropper; roots are smooth with a deep, hollow crown and a small top. Flesh fine grained, sweet and of excellent quality; cooks evenly, center being as fine, soft, even quality as outside portions. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

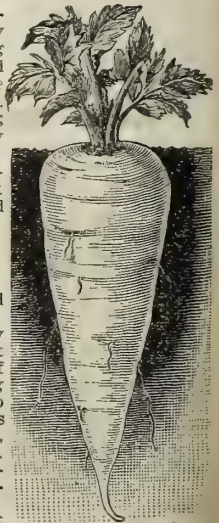
IMPROVED HOLLOW CROWN.—This greatly improved strain is about the same shape as the old sort but smoother and of more even quality; fine grained and excellent. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 80c.

PEANUTS

Peanuts can be grown in Iowa, and everyone should plant at least a few, for the children.

RED CROSS.—This very desirable variety is early as the earliest, most hardy, very prolific and of best quality. Boys, here is a chance for you. Think of growing peanuts in your own garden and having plenty of them to eat. Shell nuts carefully so as not to break inside skin, plant as soon as ground becomes warm, from 2 to 3 ft. apart each way, 4 or 5 to the hill, covering 2 inches. Soil should be deep and mellow. Produce from 25 to 70 bushels to the acre; easily cultivated as corn. Pkt. 10c, lb. 40c, postpaid. By express 5 lbs. or more at 25c per lb.

SPANISH.—A very early variety; quite prolific, but the pods are small. Per package 10c, lb. 50c.



GUERNSEY PARSNIP.

PUMPKIN

One oz. will plant 25 hills;
4 lbs. will plant one acre.

The best, most enterprising and most prosperous farmers put in a crop of pumpkins every year. They can be grown separately or with a corn or potato crop, and do not seem to interfere in the least. They are valuable for feeding to stock, and what is a fair without pumpkins, or a Thanksgiving dinner without a pumpkin pie? Planted with corn, two pounds will plant one acre.

NEW ATLAS.—What do you think of a pumpkin weighing 300 pounds? It is not an impossibility, as that weight has been exceeded in this variety, which is an improvement on the Mammoth Chili. Our seed is the result of years of selection, and was saved only from the largest sized, perfect shaped specimens, which will be sure to produce enormous fruits if properly grown. It is just the thing for exhibition at fairs. Flesh is a rich yellow, very thick, and excellent quality, nutritious and profitable to grow for stock feeding. Keeps well. Pkt. 10c, oz. 25c, 1 lb. 75c.

"From one seed of the Atlas Pumpkin received from you I grew one vine which produced four pumpkins. The largest weight 175 lbs., the second 168 lbs., third 138 lbs., fourth 96 lbs., or 577 lbs. in all."

KING OF MAMMOTH.—The largest variety of true pumpkins. The flesh and skin are of a bright golden yellow, fine grained and of good quality. We know of one specimen that reached the enormous weight of 245 lbs. One customer writes us that he grew one that weighed 158 lbs., and on the same vine he had five other pumpkins from 80 to 104 lbs. each in weight—over 640 lbs. grown from one seed. Farmers and gardeners, just think of that kind of a crop! Will it not pay to exhibit them at your county fair? Our seed is from select specimens. Pkt. 5c, oz. 15c, 1 lb. 45c, 1 lb. \$1.50.

MAMMOTH TOURS.—Is also called "Mammoth Whale." Grows to an immense size, sometimes 3 feet in length, and to a weight of 100 to 200 pounds. Flesh of a salmon color. Seed of a peculiar shape. Pkt. 5c, oz. 10c, 1 lb. 30c, 1 lb. \$1.00.

MAMMOTH ETAMPES.—Giant variety from France. Bright red color. Pkt. 5c, oz. 10c, 1 lb. 30c, 1 lb. \$1.00.

COLLECTION OF Mammoth Pumpkins

One Packet Each of New Atlas,
Mammoth Tours, King of Mam-
moths and Mammoth Etampes.
ONLY TWENTY CENTS



ATLAS PUMPKIN.

YANKEE PIE.—The noted New England Pie or Small Sugar Pumpkin. Same shape and color as the Connecticut Field but is smaller, very sweet, fine grained and one of the best varieties for table use. It pleases everyone for making pies. Early. Pkt. 5c, oz. 10c, 1 lb. 25c, 1 lb. 75c.

CALHOUN, or Thanksgiving Pie.—A great improvement on the Large Cheese. Color creamy brown, flesh deep salmon yellow, fine grained; seed cavity is very small. Rind thin. When cooked it is very yellow and makes pies of a rich color, sweet and of the finest quality. Pkt. 5c, oz. 10c, 1 lb. 30c, 1 lb. 85c.

JAPANESE PIE.—This is similar in size and form to the well known Cushaw, but the skin is deep green, with darker stripes turning to yellow as fruit ripens; earlier than any other pumpkin. Seeds marked with curious indentations. Flesh is very thick, a rich crimson color, dry and sweet, making rich pies without eggs. Pkt. 5c, oz. 10c, 1 lb. 30c, 1 lb. \$1.00.

LARGE CHEESE, or Improved Kentucky Field.—Large flat fruit; creamy buff skin; thick flesh. Usually called Sweet Pumpkin. Pkt. 5c, oz. 10c, 1 lb. 20c, 1 lb. 60c.

BIG TOM.—A greatly improved strain of Yankee or Connecticut Field Pumpkin which has been selected for many years to secure the most uniform type. Not only are the pumpkins larger and smoother but the yield is nearly double that of the old variety. We recommend it to our customers as the very best type of cornfield pumpkin. Pkt. 5c, oz. 10c, 1 lb. 20c, 1 lb. 50c. Five pounds by express or freight at 35c per lb.

GOLDEN CUSHAW, or Jonathan.—Attractive and sells better than the old green striped sort. Large, bottle-shaped sort. Pkt. 5c, oz. 10c, 1 lb. 30c, 1 lb. \$1.00.

GOLDEN RUSSET.—An extra choice sweet variety, also called Winter Luxury. Golden yellow, netted or russeted over surface; small to medium size. Unsurpassed as a pie pumpkin and a good seller on market. Pkt. 5c, oz. 10c, 1 lb. 25c, 1 lb. 75c.

CONNECTICUT FIELD.—Is the common field or cow pumpkin. If you have any live stock plant some of these. Oz. 5c, 1 lb. 15c, 1 lb. by mail 35c. By exp. or frt. 10 lbs. \$2.25.



JAPANESE PIE.



BIG TOM PUMPKIN.

GROW PUMPKINS IN THE WASTE PLACES ON THE FARM. THEY WILL PROVE PROFITABLE

RADISH

One ounce will sow 100 feet of drill. 8 to 10 lbs. will sow an acre in drill.

Radish seed should be sown in light, rich soil as early as the ground can be worked, and for a succession, at intervals of two weeks, until midsummer. Radishes must be grown quickly and have plenty of room or they will invariably be tough and pithy. Sow in drills one foot apart and thin to two or three inches apart as soon as the rough leaves appear. Most of our radish seed was grown for us in France, "the natural home of radishes," and we think it cannot be surpassed.

EARLY BIRD.—Decidedly the earliest of all radishes. Quick growth is one of the main essentials for a crisp and tender radish, and with loose soil and proper culture the Early Bird is ready for the table in twenty days from time of sowing the seed, which makes it one of the most desirable sorts ever offered for either forcing or outdoor culture. It is of round or turnip shape as shown in our illustration, of bright scarlet color and pure white flesh, which is tender, crisp and of the very best flavor. It has few and short leaves, which admits of very close growing, thus producing a large number of bundles of radishes on the same ground. Very desirable for the home garden and money maker for the market gardener. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

SPARKLER.—This is a new extra early white-tipped round radish. It is distinct in that the white tip is larger and more pronounced than in any other variety. Much more of the root is white than shown in our illustration, and the contrasting colors being so nearly equal gives it a more attractive appearance than any of the varieties now on the list. Well adapted for either forcing in frames or for the private garden. Will brighten the whole table if placed in a glass dish where colors show to good advantage. Quality unsurpassed; remain solid and crisp a long time. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

VIOLET QUEEN RADISH.—A novelty of 1908 and decidedly the handsomest of all radishes. It is a small, round or turnip-shaped variety of a beautiful violet-purple color, sometimes shading to white near the tip, thus giving it a very pleasing aspect. It matures quickly, is solid, crisp and of excellent flavor, and does not become pithy quickly. For best results grow in loose, rich soil and cultivate well. It is very showy on the table, especially when put in a glass dish with red and white radishes. Do not fail to try it. Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

FRENCH BREAKFAST.—Of medium size and olive shape, with small top; quick growth; beautiful scarlet color shading to white. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

ROSY GEM.—A handsome globe-shaped variety of rosy scarlet, shading to white at tip. Similar to Scarlet Gem, but lighter color. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

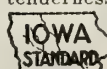
EARLY SCARLET TURNIP.—A small, round, red, turnip-shaped radish, of quick growth. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

IMPROVED CHARTIER.—Roots are long and cylindrical, scarlet rose above, shading into pure waxy white at the tip. Flesh white, crisp and mild flavor. Stands hot weather well. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 65c.

EARLY LONG SCARLET, or Short Top.—An old standard variety; of quick growth; long, slender root. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 65c.

CINCINNATI MARKET.—Also called by some the Glass Radish. An excellent long red radish, having small top. The best long red radish for forcing. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

CRIMSON GIANT FORCING.—The most profitable variety for market gardeners, and may well be considered the most valuable new variety which has been sent out for many years. A rapid growing sort, developing roots of beautiful deep crimson color, perfect shape and more than double the size of any other forcing variety. The old standard sorts, such as Rosy Gem and Scarlet Globe, usually measure from two to three inches in circumference while the Crimson Giant often measures nine inches in circumference without getting pithy or hollow, and retains its firmness and tenderness of flesh. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.



IOWA STANDARD EARLY RADISH.—If you are only growing one variety of radish, we are sure you will be pleased with this choice sort. It is larger in size and considerably longer than the Scarlet Globe, and of handsome bright scarlet color throughout. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

EARLY SCARLET GEM.—An extremely early variety which has matured fit for the table in seventeen to twenty days from the time of sowing the seed and is fully grown in less than four weeks. It is of a perfect globe shape, and of a bright, rich scarlet color, tipped with white, thus making it particularly handsome on the table. The Scarlet Gem has very few leaves, therefore is an excellent variety for forcing, and gardeners will find it an "A No. 1" seller on the market. In quality it stands unsurpassed—tender, crisp, appetizing. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

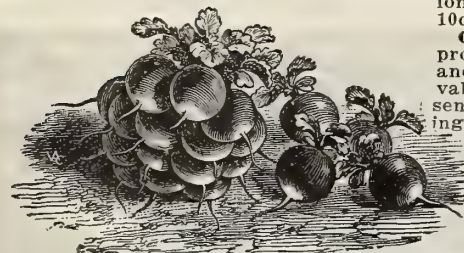
BRIGHTEST LONG SCARLET.—The handsomest long red radish which is very early. It is shaped like Long Scarlet, but the tips are white like Chartier. The white and red colors in contrast make it a popular market sort which sells readily. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.



EARLY BIRD RADISH.



SPARKLER RADISH



VIOLET QUEEN RADISH.



SCARLET GEM.



FRENCH BREAKFAST.



EARLY SCARLET TURNIP.



IOWA STANDARD RADISH.



CRIMSON GIANT FORCING.

RADISH---Continued

EARLY SCARLET GLOBE.—The most popular variety for hotbeds and forcing, as it is the earliest of all. Of handsome color, crisp, juicy and tender. It forms a small top and will stand a great amount of heat without becoming pithy. Its fine shape, well illustrated by the accompanying engraving, makes it sell for a higher price and more readily than any other sort. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 85c.

STRIPED TRIUMPH.—A beautiful new variety and is a decided novelty. It is of the shape shown in our illustration, with white skin striped bright scarlet, being decidedly ornamental when placed on the table. It is very early and has a very small top, thus adapting it to cultivation in hotbeds. The flesh is white, crisp, tender and as good flavor as any radish grown. It being a sport, some of the roots are always of solid color, not variegated, but they are always of fine quality, regardless of color. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

WHITE LADY FINGER.—Large, white, crisp variety; about as long as Long Scarlet; similar shape. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

ICICLE.—A splendid long variety of almost transparent whiteness. Produces nice roots in twenty-two days from the date of sowing, and it continues in prime condition for a long period, so that in one sowing of seed, nice, crisp radishes may be had from spring until mid-summer. It is much the most popular sort in the entire list. There is no variety that grows more uniform in type, and there are none that surpass it in quality. We recommend it as the very best second early radish. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 85c.

WHITE STRASBURG.—Of handsome, oblong, tapering shape, both skin and flesh being pure white. The flesh is firm, brittle and tender and retains its crispness even if old and large. Excellent for summer use. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c, lb. 75c.

MODEL WHITE BOX.—Of handsome shape, very early and has but few leaves, thus making it of special value for growing in hotbeds and boxes, and one-third more radishes can be grown in the same space than with most other varieties. Of clear white color, solid, juicy and unsurpassed in flavor. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c.

GOLDEN DRESDEN.—A little beauty, with golden brown skin, white flesh, crisp, juicy and of finest flavor. One of the quickest growing sorts; tops small, admitting of close planting. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

SAKURJIMA.—This is a giant variety of radish from Japan. It has been grown to the enormous dimensions of 43 inches in circumference. Flesh is solid, firm and brittle, and of excellent flavor. Will grow and thrive in any ordinary garden soil. This is a real

"novelty" to most Americans and it will hardly be recognized as a radish from its appearance when full grown. Try it and you will be surprised at the real value of this monstrous variety. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; lb. \$2.50.

IOWA SEED CO.'S MIXTURE.—A superb mixture of all kinds of radishes—early, medium, fall, winter, Chinese, etc. Sow a row of it and it will furnish you delicious radishes throughout the year. The early and medium ones as they mature are pulled, make room for the larger growth of the fall and winter varieties. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 65c.

WINTER RADISH

LONG BLACK SPANISH.—A large, black-skinned radish, with firm white flesh of pungent flavor. A good keeper, lasting until spring. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 60c.

CHINA ROSE WINTER.—Bright rose colored variety. The most popular of the winter radishes because of its bright color, firm flesh and long keeping qualities. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

CALIFORNIA MAMMOTH WHITE.—Large size, 8 to 12 inches long, 2 to 3 inches thick, white, solid, of good quality. A very popular sort with market gardeners for late selling. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 85c.



ICICLE RADISH



MODEL WHITE BOX RADISH



WHITE STRASBURG



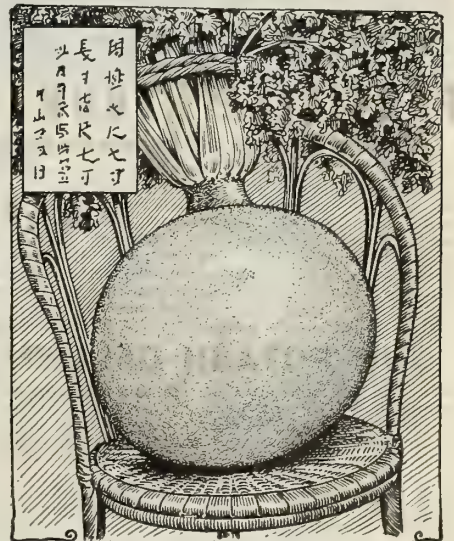
GOLDEN DRESDEN



EARLY SCARLET GLOBE RADISH



STRIPED TRIUMPH RADISH



SAKURJIMA RADISH.

YOU CANNOT BUY BETTER RADISH SEED THAN OURS NO MATTER WHAT THE PRICE

ROMAINE

ROMAINE.—Really a variety of lettuce, though so very different from the sorts usually grown that it is classed separately. Very popular in France, where choice flavor in vegetables is especially appreciated. The leaves are of rather light green color shading to white when blanched. It is more uniform growing and self-folding than any other variety of cos lettuce, so that it is not really necessary to tie the leaves together in order that it may blanch. We hope all our customers will give this grand novelty a trial this season and we are sure that you will be more than pleased with it. Possesses a flavor peculiarly its own, crisp and delicious, and people who grow it once are sure to continue. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 50c.

SALSIFY

VEGETABLE OYSTER

(One ounce will sow 50 feet of drill, 8 lbs. to the acre.)

Why don't you grow salsify? It is one of the most delicious and nutritious of vegetables and should be more generally cultivated for use in winter, when the supply of really good vegetables is so limited. It has the true oyster flavor, and makes a delicious and inexpensive substitute for them in soup, etc. Cultivate like parsnips.

MAMMOTH SANDWICH ISLAND.—Average fully double size of old Long White. Roots are white, smooth, and, notwithstanding their enormous size, of superior quality. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.25.

OUR SEEDS GROW

Received the box of seeds on Monday, all in good shape, and am very well pleased with them, and can recommend your company to my neighbors.—Mrs. T. A. Mitchell, Linn County, Iowa.

We have been doing business with you for past six years and your seeds have all come up to your recommendations. It is a pleasure to do business with you.—J. D. H. Smith, Hornbeck, La.

I am very thankful for the seeds I bought of you last year. The crops were the very finest I ever raised in Missouri.—L. C. Cassy, Rogersville.

We received the seeds O. K. They are fine; such nice large packages. I am sure I will have good luck with them. Thank you for promptness.—Mrs. Dr. N. T. Baird, El Paso, Texas.

I have used your seeds for four years and they are by far the best I ever used.—Mrs. J. S. Leamer, Polo, Mo..

The seeds we purchased from you last year produced the finest vegetables we have ever raised. N. B. Larson, Powells, Nebr.

FERTILIZE YOUR GARDEN

Increase the Yield and Improve the Quality of Vegetables

Just a comparatively small amount of fertilizer will greatly improve the soil of the garden if the fertilizer contains the proper constituents. Ordinary manure, well rotted, will be beneficial but will not supply all the necessary elements for best results. Soiling crops plowed under will help a lot, but even these will not entirely meet the requirements. The one element most necessary (Potash) is a mineral salts and is most readily obtained in commercial form. As the best help to increase the vegetable crops and to stimulate quick growth which results in extra quality, we have prepared

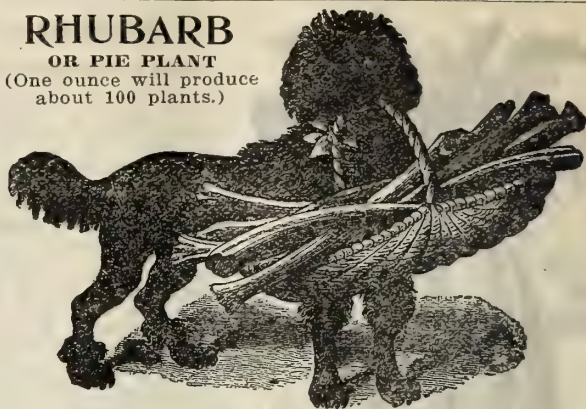
OUR POTASH GARDEN GROWER

which is a composition of animal and mineral products; is compounded by ourselves and contains humus, nitrogen and potash in just the right proportions for the growth of all vegetables. You cannot appreciate the difference in vegetables that are given good cultivation and plenty of plant food in easily assimilated form, until you have tried for yourself. You do not require a great amount of Potash Garden Grower. Use at the rate of 50 lbs. to 2,500 square feet, applied broadcast just before plowing the ground. The effect will be seen in the vegetable growth the whole summer. We have other fertilizers for lawn and similar purposes but our Potash Garden Grower is compounded especially for gardening work. By freight, not prepaid, per 10 lbs., 50c; 25 lbs., \$1.00; 50 lbs., \$1.75; 100 lbs., \$3.00; 500 lbs., \$14.00.

RHUBARB

OR PIE PLANT

(One ounce will produce about 100 plants.)



IDEAL MAMMOTH RHUBARB

Succeeds best in deep, rich soil. Sow in the spring in drills, cover one inch. Thin plants to six inches apart. Transplant in autumn or spring to permanent beds three feet apart each way.

For price of rhubarb roots see page 38.

IDEAL MAMMOTH.—This new variety, which is decidedly the finest and best of all, originated with Dr. Kennicott, of Illinois. The stalks are much larger than the Victoria or any other sort and are also produced in much greater abundance. Like all other highly improved sorts it seeds sparingly and comes more nearly true to name when grown from seed than most other sorts. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c.

VICTORIA.—For many years the standard variety of rhubarb. The stalks are not so large as the Ideal Mammoth, but are preferred by many on account of their more piquant and richer flavor. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

SPINACH

(One ounce will sow about 80 ft. of drill, 10 lbs. to acre.)

Makes the finest "greens" of any plant in cultivation.

For summer sow early in spring in deep, rich soil, one foot apart in drills; cover one inch; sow at intervals of two weeks all through season. For very early use sow first of September and protect with straw.



VICTORIA SPINACH.

VICTORIA.—A variety distinguished by exceedingly dark, black-green color and for its very long standing qualities, being two or three weeks later than the ordinary varieties. The leaves are thick and spread out flat upon the ground. Is excellent for spring sowing, but not sufficiently hardy to withstand winter in this locality. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 35c. By express, not prepaid, 5 lbs. or more at 25c per lb.

LONG STANDING.—Standard with gardeners; leaves thick, fleshy and crumpled, round, large, and dark green color; slow to run to seed. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 35c. By express, not prepaid, 5 lbs. or more at 20c per lb.

BLOOMDALE.—Savoy-leaved, curled sort, very popular in the south. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 35c.

NEW ZEALAND.—Very useful to supply the place of ordinary spinach during the hottest months of the year, or in dry, arid localities. A few plants will supply a family with this delicious vegetable from July until October. A distinct variety of merit. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.



NEW ZEALAND SPINACH.

SQUASH

(One ounce early varieties will plant about forty hills; one ounce late varieties will plant about twenty hills; 3 to 4 pounds per acre.)

Plant about the middle of spring in hills, the early sorts four to six feet apart, the late varieties eight to twelve. Thin to three plants in the hill. The soil cannot be too rich. Use Slug Shot to kill the bugs.

GOLDEN BUSH.—An improvement on the old Yellow Bush Scallop or Patty Pan. The earliest of all and quite a favorite with all who like summer squash. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

WHITE BUSH SCALLOPED.—Similar to Golden Bush. Color creamy white; an excellent sort for family garden for early use. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

EARLY BUSH CROOKNECK.—Splendid sort, early, productive, very fine quality. With all new varieties recently brought out, many claim that there is no summer squash superior to this. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

PERFECT GEM.—Is a strong grower, as many as twenty-four squashes having been produced on a single vine. Squashes are from 4 to 6 inches in diameter; of a creamy white, with thin, smooth shell, slightly ribbed. Flesh when cooked is dry, sweet and rich in flavor. It is a splendid keeper. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. \$1.00.

TRUE HUBBARD.—This old variety for years has stood the test of all rivals and is the most popular winter squash grown; hard, green shell; flesh bright orange yellow, fine grained, very dry, sweet and of rich flavor; keeps in perfect condition throughout the winter. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

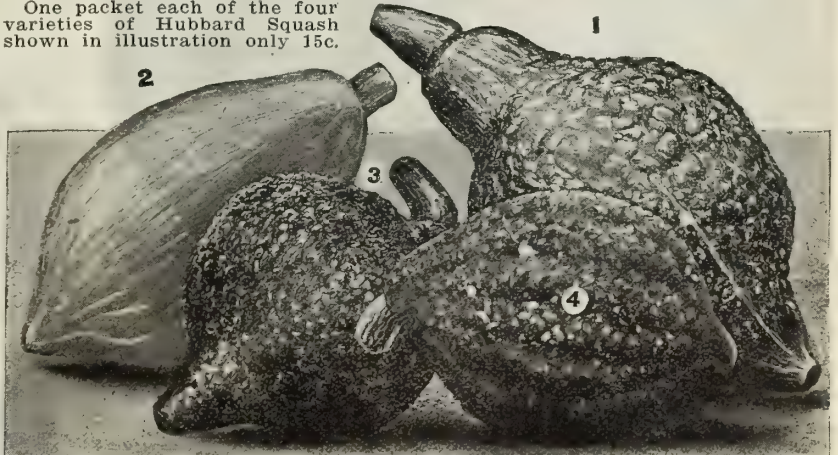
WARTY HUBBARD.—A new strain of the Hubbard. The wartiness indicates a very hard shell, which is one of the very best features of a long-keeping squash. It also denotes extra choice quality—the harder and more warty the shell of a Hubbard, the more delicate and sweet the flesh; the flesh, however, is not so thick as the old Hubbard. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 35c, lb. \$1.25.

BLUE HUBBARD, or Marblehead.—A splendid winter variety. Shell light blue; flesh similar to the Hubbard in quality. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

GOLDEN HUBBARD, also called Red Hubbard.—This is a counterpart of the old Green Hubbard, except in color, which is a bright, deep orange yellow; much richer in color than Hubbard, fine grained, cooks very dry, and is of excellent flavor. Its keeping qualities are fully equal to, while in productiveness it far excels the green variety. This is a squash that every market gardener should plant, for it is a "seller." Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

COLLECTION OF HUBBARD SQUASHES

One packet each of the four varieties of Hubbard Squash shown in illustration only 15c.



FOUR HUBBARD SQUASHES

No. 1, True Hubbard; No. 2, Blue Hubbard; No. 3, Warted Hubbard; No. 4, Red Hubbard.

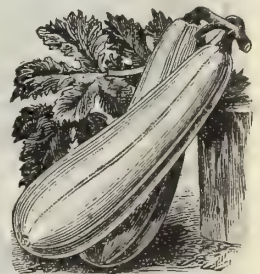
DELICIOUS.—On our place this has proved to be a most desirable new winter variety. Color of the skin is green, with an occasional blue specimen, about the same size as the Hubbard, weighing 5 to 10 lbs. Has very thick flesh, cooks dry and is of superior flavor. Although a good fall variety it is in its best condition during the winter. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

EARLY PROLIFIC MARROW.—Early and productive, the two most important features for the market gardener, while its attractive color—brilliant orange red—good cooking and keeping qualities, make it popular with consumers. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

PEERLESS VEGETABLE MARROW.—In England they consider the Vegetable Marrow far superior to any variety of squash, but for some reason it has never become popular here. The Peerless is, we believe, the most desirable sort, fruits being of handsome shape, creamy white color, very large size, of excellent flavor. Very productive. Cultivate like squash. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

MAMMOTH CHILI.—The "Jumbo" of the squash family. Outer color rich orange yellow; skin is quite smooth with wide fissures. Flesh very thick and of a yellow color. Keep well and are profitable for stock. Have been grown to weigh over 200 pounds. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

I was very well pleased with the squashes which I raised from your seed last year. They matured well though planted very late.—Frank Blanchard, Port Alleghany, Pa.



PEERLESS VEGETABLE MARROW



TABLE QUEEN SQUASH

TABLE QUEEN SQUASH.—Our illustration well shows the shape of this most excellent new variety. They are just the right size, averaging about six to eight inches long and four to six inches in diameter. The color is dark green, with sometimes a blotch of red at the pointed end. Shell is hard and smooth and is ridged as shown in the picture. Just wash it clean, cut it in half, take out the seeds, bake twenty minutes and you will have the most delicious squash you ever tasted. Splendid for pies because of its sweetness and dainty flavor. Ripens in the fall and keeps as long as Hubbard. A novelty which we introduce in full confidence, as it has already established itself a favorite on the Des Moines market. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.

NEW HESTER.—Extra choice new variety, which we introduced; same shape as Sibley, but color is of a pinkish yellow slightly striped at point with light green. Early and can be used as summer squash, but they are superior for winter. When stewed or steamed are dryer than when baked and make delicious pies. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

SIBLEY, or Pike's Peak.—One of the very best winter sorts. Has the reputation of surpassing the Hubbard in quality. Large oval fruits tapering at blossom end. Shell hard, dark, olive green color. Flesh light orange color, of best quality. Vines strong, productive. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.



MAMMOTH CHILI SQUASH.

IF YOU RAISE MORE SQUASHES THAN YOU CAN SELL, THE LIVE STOCK WILL EAT THEM

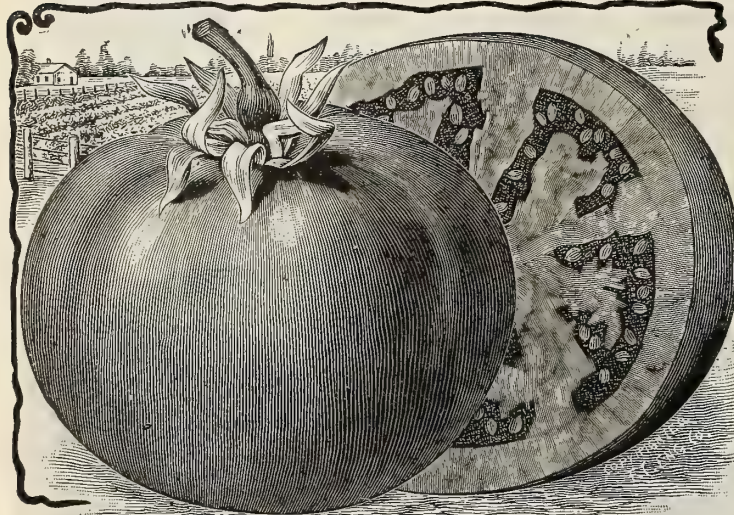
TOMATO

One ounce will produce about 2,500 plants.

Sow early in hotbeds or seed boxes and when plants have four leaves transplant to four or five inches apart. Give plenty of air and endeavor to secure a vigorous growth. When all danger of frost is past, transplant to open ground, four to six feet apart each way. Well manured, light, sandy soil is best, but it must be remembered that a surplus of manure stimulates leaf growth to the detriment of fruit. Through long years of selection we have now a stock of tomato seed which is far superior to that of most other dealers. Our packets contain from 500 to 1,000 seeds.



LIVINGSTON'S BEAUTY



MATCHLESS.

JUNE PINK.—This may briefly be described as a pink Sparks' Earliana. About ten days earlier than most of the early sorts. Fruits medium size, smooth, without cracks or green core. Skin is tough, thus making it a good shipper. Color is bright pink. Pkt. 5c, oz. 35c, $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

JAPANESE CLIMBING.—A great novelty. Beyond comparison the tallest growing variety that we know of, growing 10 to 12 feet high and bearing fruit way to the tip. Fruits are of a nice medium size, of fine beautiful shining crimson color. They are produced in great clusters and the plant is productive and a continuous bearer. One plant properly trained on a trellis will produce more fruit than a dozen ordinary tomato plants. Fruits contain few seeds and are of superior flavor. If the seed is started early in the house they will begin fruiting in July and one or two well developed plants will produce enough fruit for a small family the entire season, and every owner of a garden, no matter how small, should grow this wonderful tomato. Pkt. 10c, oz. 40c, $\frac{1}{4}$ lb. \$1.25.



JAPANESE CLIMBING.

GOLDEN QUEEN.—Best of the large, common yellow varieties. Fruit smooth, of finest flavor; ripens evenly; a handsome sort. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 90c, lb. \$3.00.

PONDEROSA.—Very large, inclined to be irregular in shape, but of fine quality. Purplish red. Pkt. 5c, oz. 35c, $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

CRIMSON CUSHION.—Persons having only a small garden will appreciate this as it can be grown on trellises and in this way three to four times as much fruit can be grown on same space. Grows 7 to 10 feet high, if desired, but as most of fruit is borne three or four feet from the ground, well out of reach of chickens, it is just as well to trim off tips. Fine quality, extremely large and excellent for slicing or canning. Pkt. 5c, oz. 35c, $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

WONDER MAGNUS.—Of very good size, deep, rich, red color, very solid and containing very few seeds. We secured this variety from the introducers, and as many of our customers know it favorably we do not hesitate to recommend it to all of our patrons. A favorite for canning purposes because of color. Each season seems to add to its popularity for all purposes. Pkt. 5c, oz. 35c, $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

MIXED TOMATOES.—For the benefit of some customers who would like to try all kinds, we offer this mixture of many sorts. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 75c.

THE EARLIEST TOMATO IN THE WORLD



SPARKS' EARLIANA.

MATCHLESS.—Well worthy of its name, for in beauty, color and symmetry of form it is indeed without a peer. Vines are of strong, vigorous growth, well set with fruit, which is entirely free from core, of finest flavor, very rich cardinal red color, and not liable to crack from wet weather; of large size, and the size of the fruit is maintained throughout the season. Solid, of fine quality and keeps well. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.

LIVINGSTON'S BEAUTY.—Originated with the late Mr. A. W. Livingston, of Franklin County, Ohio, and is one of the best ever introduced. Its size, beauty, shape, color, flavor, durability and productiveness make it desirable to growers. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.

ACME.—Valuable for early market; medium size, color a glossy red with purplish tinge. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 65c, lb. \$2.50.

IMPROVED TROPHY.—Our Improved Trophy is vigorous and productive; its large, solid, smooth, fine-flavored fruit will satisfy the most exacting. Also much liked for canning. Pkt. 5c, oz. 20c $\frac{1}{4}$ lb. 60c, lb. \$2.00.

FAVORITE.—Bears clusters of 3 to 7 tomatoes of a rich, dark red color, very smooth, flesh firm, nice for canning. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

PERFECTION.—Large and round, smooth, handsome red fruit of highest quality. It proves very satisfactory for forcing under glass. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

I must say your garden seeds are first class and the largest packets I ever received from any company.—Mrs. Clarence Barker, Atwater, Ohio.

Your seeds are the best I ever got anywhere. I had a very fine garden from your seeds, and will recommend them whenever I can.—Mrs. Christ H. Westby, Burlington, Wis.





GOLDEN MAJESTIC.

GOLDEN MAJESTIC, the \$1,800.00 Tomato.—A magnificent new variety which originated in northern Iowa, and we were so favorably impressed with it that we bought all the stock in existence and paid for same at the rate of \$1,800.00 per lb. It is the golden member of the great triumvirate, fully equal to its elder brothers in size, solidity, yield and flavor. Without hesitation we pronounce it the grandest yellow tomato in existence. The tomato is undoubtedly the most popular vegetable in America, and nothing presents a more appetizing appearance on the table than thick, luscious slices of alternating purple, red and yellow, cut from our Majestics. A trial will convince you of their superior qualities. Pkt. 15c, oz. \$1.00.

MAJESTIC.—The largest, handsomest and finest quality tomato ever sent out. When we first secured this grand sort we knew that it was of exceptional merit, and superior in size and flavor to anything on the market, but were astonished at the reports received from our customers. Thousands of letters arrived speaking of it in highest praise. Undoubtedly the largest fruited of any, and the fruit is solid, weighing more than its size would indicate. The first fruits matured are somewhat rough, but later they are smooth and handsome; of a rosy red color, ripening evenly all over, way up to the stem. When cut it is a rich coral red color, its core blending into delicate shell-rose tints. Fruit is unusually solid, very small seed cells, few in number and near the surface. Flesh is tender fine-grained and rich, yet of mild, delicate flavor, being of the sub-acid class. Plant is of vigorous growth from start to finish. Many of our customers reported specimens weighing 3 lbs. to 7 lbs. each. The largest were, of course, grown by special culture, allowing only one or two fruits to ripen on a plant. In this way the whole strength of the vine goes to the fruit and the size is increased greatly. There were also many reports of 120 to 160 lbs. of tomatoes grown on one plant. Pkt. 10c, oz. 50c, ¼ lb. \$1.50, lb. \$5.50.

RED MAJESTIC.—This new variety appears to have all the good qualities as well as the large size of the world-renowned Majestic, but it is of a bright cardinal red in color, and for this reason may be preferred by some. It is also of special value for growing on a trellis and will quickly cover a support six or eight feet high, and bears its fruit well up from the ground, out of reach of the chickens. Many growing both this and the Purple Majestic pronounce the red variety superior. Pkt. 10c, oz. 50c, ¼ lb. \$1.50, lb. \$5.50.

MAJESTIC TOMATO PLANTS

Strong, Well Grown Transplanted Plants

Majestic.....	per doz.	40 cts
Red Majestic.....	"	40 "
Golden Majestic.....	"	40 "

One Dozen of Each, only \$1.00 postpaid



GOLDEN NUGGET TOMATO.

TOMATO===Continued

DWARF CHAMPION.—Habit of growth peculiar, for not only is it dwarf and compact, but the stem being thick, stiff and short jointed, it is almost self-supporting when laden with fruit. Early, of a purplish pink color; smooth, symmetrical, solid and of fine quality. Best variety to grow for plants for sale as they are so stocky. Pkt. 5c, oz. 30c, ¼ lb. 90c, lb. \$3.00.

DWARF STONE.—A dwarf growing sort after the manner of Dwarf Champion, with very large, bright red fruits, fully as large as the standard stone variety. Pkt. 5c, oz. 35c, ¼ lb. \$1.00, lb. \$3.50.

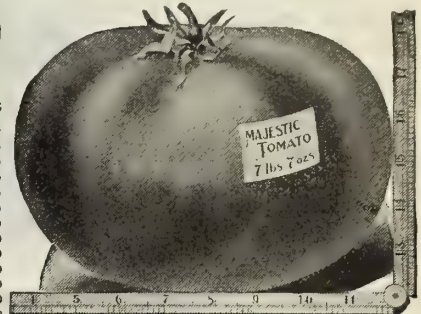
STONE.—One of the best of all standard sorts. Color is a bright red. Fruit is of large size, perfectly smooth and of best table quality in every respect. It is a famous main crop tomato in many sections, both north and south, and is much used for canning. Productive and the fruit bears shipment well. Pkt. 5c, oz. 20c, ¼ lb. 65c, lb. \$2.25.

GRAND TOMATO TRIO THE THREE MAJESTICS

One Packet Each of the Three Majestics 25c

FROM THE SUNNY SOUTH

I have used your seed for the three past years and find them to be the best seed and the fullest packages I ever bought. I cannot say too much in their favor. My garden was the finest and my yard the prettiest in the community last year.—Mrs. T. W. Humphries, Notasulga, Ala.



Plant of Majestic Tomato grown by W. R. Long, Iowa Co., Iowa.

PRESERVING TOMATOES

GOLDEN NUGGET.—When at the Royal Agricultural Show in England, our attention was especially attracted by this grand new variety. Fruits are beautiful golden yellow, round as a ball and about as large as a hulled black walnut. Flavor exceptionally fine, and a most desirable variety for eating from the hand or as a dessert fruit. We have grown them now both on our farm and at our trial grounds, and were more than pleased. Plants were loaded down with most beautiful rich golden yellow fruits of delicious flavor. Try them. Extra fine. Pkt. 10c, oz. 75c.

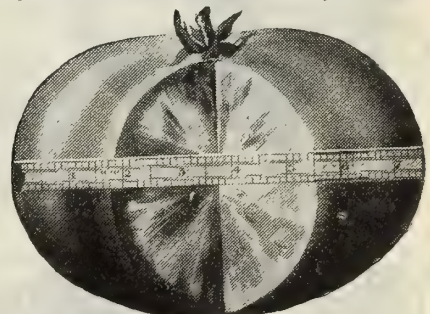
RUBY NUGGET.—This we consider one of our most fortunate discoveries. It is a sport from the Golden Nugget, discovered in a field of that variety which we were growing for a seed crop. In shape of fruit, great productiveness and fine flavor it is the equal of the yellow variety, while the color is the popular bright red tomato color. Pkt. 10c, oz. 75c.

PEACH.—Named from a resemblance to a peach in size and shape. The color is a peculiar shade of pink and orange, differing from ordinary tomatoes. A fine sort for preserving. Pkt. 10c, oz. 40c.

YELLOW PEAR.—A favorite with all who know them. Fruit is pear-shaped and of a deep yellow color. Highly valued as a table delicacy raw, also for preserving or to make "tomato figs"; fine pickled. Pkt. 5c, oz. 30c, ¼ lb. 75c.

CRIMSON CURRANT.—Most charming little fruit, hardly more than a half inch in diameter, of bright crimson color; borne in long clusters containing 20 to 60 tomatoes. Excellent for eating from the hand or preserved. Pkt. 10c, oz. 60c.

STRAWBERRY, or Husk Tomato.—Also called Ground Cherry. Plants are of spreading habit and immensely productive. Pkt. 5c, oz. 30c.



RED MAJESTIC.

THERE ARE NO TOMATOES IN THE WORLD SUPERIOR TO OUR THREE MAJESTICS

TURNIP

One ounce will sow 150 feet of drill.
Two pounds will sow an acre.

For early, sow in April in drills half an inch deep and twelve inches apart; thin to six inches apart in the drill. For main crop sow broadcast in July and August, and before a shower if possible.

EXTRA EARLY PURPLE TOP MILAN.—One of the earliest sorts in cultivation. Bulb very flat, medium size, quite smooth, with a bright purple top; leaves few, short, and light color; grows compact and makes exceedingly small strap-leaved top. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.20.

EARLY WHITE MILAN.—Much like the above, but is pure white all over, instead of having purple top. Quite popular with gardeners. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

EARLY SNOWBALL.—A globe-shaped, white-skinned turnip, very fine grained, firm and of delicate flavor. One of best keeping of white fleshed sorts, very early and particularly adapted for family or market use. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

WHITE EGG.—A quick-growing, egg-shaped, perfectly smooth, pure white variety with small top and rough leaves. Flesh very sweet, firm and mild, never having any rank, strong taste. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

GOLDEN BALL or Orange Jelly.—A beautiful bright yellow turnip of medium size and universally sweet and delicious flavor. Is hardy and one of the best keepers. Flesh extremely firm and solid. Brings good price on market. If you have never tried yellow turnips we advise you to plant some of the Golden Ball in your home garden this year. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

PURPLE TOP GLOBE.—Similar to the Purple Top Strap Leaved except shape. The largest yielder of any turnip on the list and always brings top market price. Desirable for table use or for stock. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c, 5 lbs. or more, not prepaid, 50c per lb.

PURPLE TOP STRAP LEAVED.—The standard for this part of the country for late planting, and we sell immense quantities of it every year. One of the best table and stock sorts on the market; fine grained and of mild flavor. Of good size, flat shape, pure white below with purplish red top. Good cropper and excellent keeper. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c; 5 lbs. or more, not prepaid, at 45c.



PURPLE TOP GLOBE

COW HORN.—This variety pure white; in shape like a carrot, growing nearly half out of the ground, and slightly crooked. It is delicate and well flavored. Used also as a green manuring crop. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 70c.

SCARLET KASHMYR.—This new extra early, bright scarlet turnip has a striking resemblance to a large radish. The flesh is white and crisp. Matures almost as quickly as the earliest radish, and when cooked is of unsurpassed quality. Good keeper and entitled to a place among garden favorites. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

SEVEN TOP.—Cultivated extensively in the south for the tops, which are used for greens. It is very hardy and will grow all winter, but does not produce a good root, and is recommended only for tops. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

RUTA BAGA

Largely grown in the north for stock feeding, and for this are superior to turnips. Sow not later than June in drills 2 feet apart and thin out to 8 inches in the row.

IMPROVED AMERICAN.—Very solid, fine quality, good shape, smooth skin, small neck, keeps well. A choice strain of the very best quality for table use or stock feeding. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 65c, 5 lbs. or more, not prepaid, at 40c.

MONARCH.—This grand new and distinct form of ruta бага is, we believe, by far the most productive of all. Of tankard shape, with very small neck, skin dark red above ground and yellow below, flesh rich yellow, fine grained, good quality. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 65c, 5 lbs. or more, not prepaid, at 55c per lb.

WHITE SWEET GERMAN.—Large size, oval and very solid; flesh pure white, sweet. Best keeping sort. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c, 5 lbs. or more, not prepaid, at 45c per lb.

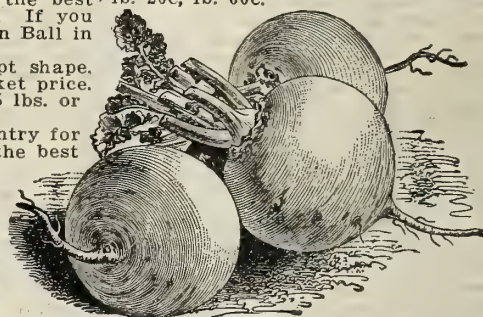
TOBACCO

BIG ORONOCO.—A favorite Virginia variety. Grows very large, broad leaves. A fine variety for dark plug wrappers and brings a good price in the market. Pkt. 5c, oz. 30c, $\frac{1}{4}$ lb. \$1.00.

CONNECTICUT SEED LEAF.—This is a staple variety in all sections of the country and will grow successfully over a wide range of territory. Used for cigar fillers. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 75c.

HAVANA.—The best known variety, as it is used very largely for cigar wrappers. Commands the highest market price when well grown and cured. Pkt. 5c, oz. 40c, $\frac{1}{4}$ lb. \$1.25.

WHITE BURLEY.—A mild and sweet tobacco. It is the standard main crop variety in the tobacco sections as it is extra fine for manufacturing in nearly every manner that tobacco is used. Pkt. 5c, oz. 30c, $\frac{1}{4}$ lb. \$1.00.



WHITE EGG.



PURPLE TOP STRAP LEAF



TOBACCO

HERBS

In making up your assortment of seeds for the year don't neglect to order a few varieties of herbs. The chief point is to harvest them properly, which should be done on a dry day when not quite in full bloom, dried quickly and packed closely and entirely excluded from air. Those marked with an asterisk (*) are perennial.

ANISE.—Seeds of agreeable, aromatic taste. Pkt. 5c; oz. 10c.

BALM.—For making balm tea. Pkt. 5c; oz. 25c.

BASIL, SWEET.—For flavoring soups, stews, etc. Pkt. 5c; oz. 15c.

BORAGE.—Leaves used for flavoring. Pkt. 5c; oz. 15c.

CARAWAY.—Seeds are used for flavoring bread, etc. Pkt. 5c; oz. 10c.

CATNIP, or Catmint.—For seasoning. Pkt. 5c; oz. 30c.

CORIANDER.—Seeds used in confectionery. Pkt. 5c; oz. 10c; ¼ lb. 25c.

CASTOR OIL PLANT.—Seeds are pressed out to obtain oil. Pkt. 5c; oz. 10c; ¼ lb. 20c, lb. 50c.

***CHAMOMILE.**—Largely used for medicinal purposes. Pkt. 10c; oz. \$1.50.

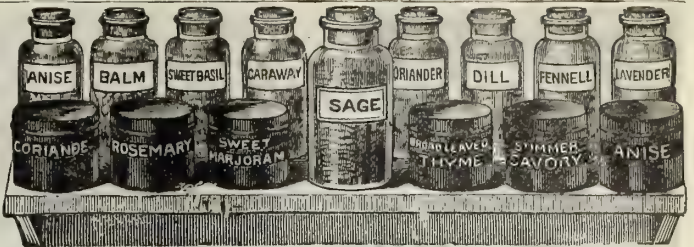
***DANDELION.**—Grown for greens, also for medicine. Pkt. 5c; oz. 35c.

DILL.—Used in making dill pickles. Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 60c.

***FENNEL, SWEET.**—Leaves used in sauces. Pkt. 5c; oz. 10c.

***HOREHOUND.**—For seasoning and cough remedy. Pkt. 5c; oz. 20c.

***HYSSOP.**—For asthma and catarrh. Pkt. 5c; oz. 20c.



***LAVENDER.**—Used as a perfume. Pkt. 5c; oz. 15c.

MARJORAM, SWEET.—For seasoning. Pkt. 5c; oz. 15c.

POPPY, or Maw.—Blue Seeded. Pkt. 5c; oz. 10c.

***ROSEMARY.**—Aromatic leaves used for seasoning. Pkt. 5c; oz. 40c.

***RUE.**—For medicinal uses; good for fowls. Pkt. 5c; oz. 15c.

SAFFRON.—Flowers used for coloring. Pkt. 5c; oz. 15c.

***SAGE.**—Much used for dressing. Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. \$1.50.

SUMMER SAVORY.—Used for flavoring. Pkt. 5c; oz. 10c; ¼ lb. 30c.

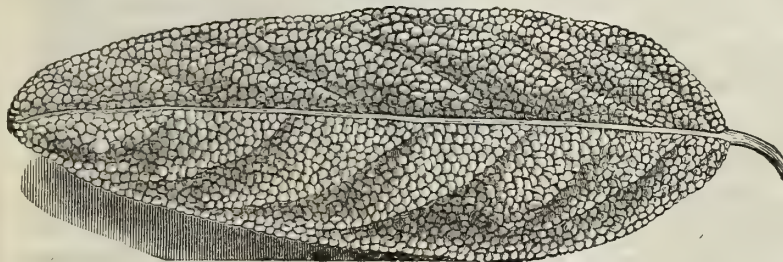
SWEET WOODRUFF.—A sweet-scented herb; forms the principal ingredient of the famous German Maitrank. Pkt. 5c; oz. 50c.

***TANSY.**—Cultivated for medicinal purposes. Pkt. 5c; oz. 40c.

***THYME.**—Leaves and young shoots used for seasoning. Pkt. 5c; oz. 40c.

***WORMWOOD.**—Used medicinally, and also for poultry. Per pkt. 5c; oz. 20c.

MIXED VARIETIES.—A mixture of all the above. A nice garden assortment. Pkt. 5c; oz. 15c; ¼ lb. 45c.



HOLT'S MAMMOTH SAGE—AVERAGE SIZE LEAF

ARTEMISIA, or Brotan.—A hardy plant sometimes called "Old Man." The leaves have a pleasant odor and bitter taste. Use similar to wormwood. Each 15c; 3 for 40c.

BALSAM MINT.—Has a soft, agreeable fragrance and is used for perfume; also used for flavoring soups, salads, etc. Each 15c; 3 for 40c.

CALAMUS—Plain Leaf.—(Acorus.)—Also called "Sweet Flag." Leaves have an aromatic odor and roots a pungent taste. Grows in wet soil or beside ponds, but can be grown in dry places also. Each 15c; doz. \$1.50.

Variegated.—A variegated-leaved variety of the sweet flag which is preferred to the plain because in addition to its medicinal qualities it is useful as an ornamental plant. Each 15c; doz. \$1.50.

CHIVES.—Perfectly hardy little perennials of the onion tribe, and are grown entirely for their tops, which are used wherever flavor of onion is required. Plant in small clumps in any common garden soil and they will grow readily. The tops appear very early in spring and can be shorn throughout the season. In New England it is considered indispensable for use in omelets. Roots per bunch 10c; 3 for 25c; doz. 85c.

CATNIP, or Catmint.—A well known perennial herb having great medicinal value. Used largely for infants. Ea. 10c; 3 for 25c; doz. 75c.

HOP ROOTS—English Cluster.—A fine variety of commercial hops. The vines are very ornamental when trained over rockeries, stumps, etc., with the added value of usefulness from the crop produced. Each 10c; 3 for 25c; doz. 75c.

LEMON MINT.—Also called Citronelle and Bergamot Mint. A perennial, hardy herb, leaves of which furnish a sweet lemon fragrance and flavor. Each 10c; 3 for 25c; doz. 75c.

MONARDA DIDYMA.—Also called Scarlet Bergamot and Oswego Tea. Not only useful as an herb, but very ornamental for its bright scarlet flowers. Each 10c; 3 for 25c; doz. 75c.

PEPPERMINT.—All children know and like the flavor of peppermint. It has a high medicinal value. Each 10c; 3 for 25c; doz. 75c.

GENUINE PENNYROYAL.—Warm, pungent, of somewhat aromatic taste; used for medicinal purposes. Each 15c; 3 for 40c; doz. \$1.25.

ROSEMARY.—Used for perfume; for flavoring meats, stews, etc., and garnishing. Each 10c; 3 for 25c; doz. 75c.

HOLT'S MAMMOTH SAGE.—Great improvement on common sage. Plants very strong growing, first season attaining one foot in height, and so spreading that a single plant covers space three feet in diameter; leaves are borne well above the soil; very large and of unusual substance, strong in flavor and of superior quality. A single plant of Holt's Mammoth will yield more than a dozen of the common sort; hardy. Each 10c; 3 for 25c; doz. 75c.

GARDEN PLANTS AND ROOTS

Every garden should contain an assortment of these hardy plants and a few square feet will supply the family. Many persons now believe that if these well known old remedies were kept and used more in families in place of so many drugs and patent medicines it would be better for the health of the people. Orders for these plants must amount to at least twenty-five cents. We pay the postage.

LAVENDER.—A favorite plant with our grandmothers for perfuming wearing apparel, by distributing its sprays in the bureau drawers. Each 10c; 3 for 25c.

VARIEGATED MAMMOTH SAGE.—Beautifully variegated dark green and pure white color, which makes it a very ornamental plant; equal to Holt's in productiveness and flavor; new and scarce. Each 15c; 3 for 35c.

SPEARMINT.—This is commonly called Mint and thousands of dollars' worth of it is sold annually in New York, Boston and other cities for flavoring salads, garnishing meats, mint julep, etc. Each 10c; 3 for 25c; doz. 75c.

THYME.—A well known plant which is used for sauces and flavoring. Each 10c; 3 for 25c.

TANSY.—Used largely for its tonic, stomachic and other medicinal qualities. Each 10c; 3 for 25c; doz. 75c.

TARRAGON.—The true tarragon is appreciated thoroughly by all who know of it, for the use of its aromatic leaves in seasoning salads, soups, pickles, etc., and also for tarragon vinegar. Each 15c; 3 for 40c; doz. \$1.25.

HOUSEWIFE HERB COLLECTION

3 bunches Chives, 1 Hop Vine, 2 Holt's Mammoth Sage, 2 Lavender, 1 Rosemary and 3 Spearmint; all postpaid for \$1.00.



CHIVES



ENGLISH CLUSTER HOP



TARRAGON

NO PANTRY IS REALLY COMPLETE IN WINTER WITHOUT ITS ASSORTMENT OF HERBS



Well grown and lightly packed to carry a long distance. They can be shipped fresh, well packed at the beds, on a day's notice. All are strong, transplanted plants unless otherwise stated. Plants quoted "by mail" are sent at our expense; "by express" the purchaser is to pay the express charges. No charge either for packing or boxes. Plants from either hotbed or cold frame are ready during April or May; outdoor grown during June and until the middle of July. We sell 500 at the 1,000 rate.

EARLY CABBAGE.

Transplanted ready April 10.

Extra Early Express.

Early Jersey Wakefield.

Washington Wakefield.

All-Head Early.

By mail postpaid, 25 for 35c, 100 for \$1.00. By express, not prepaid, 100 for 85c, 1,000 for \$7.50.

If preferred we can furnish seedling plants, not transplanted, by mail postpaid, 25 for 25c, 100 75c. By express, not prepaid, 100 for 60c, 1,000 for \$4.00.

LATE CABBAGE.

Ready May 15; field grown after June 15.

Premium Flat Dutch.

Short Stem Drumhead.

Danish Ball Head.

By mail postpaid, 25 for 25c, 100 for 75c. By express, not prepaid, 100 for 45c, 1,000 for \$3.50.

CELERY.

Transplanted ready May 1.

White Plume. Giant Pascal.

Golden Self Blanching.

By mail postpaid, doz. 20c, 100 for 75c. By express, not prepaid, 100 for 60c, 1,000 for \$4.50.

After June 15 we can furnish outdoor grown plants, not transplanted, by express, not prepaid, 100 for 40c, 1,000 for \$3.00.



ASPARAGUS

RHUBARB ROOTS

Everyone realizes the value of rhubarb or pie plant in the home garden. The best way to get a start is to purchase a few roots, as you can save one year's time in this way. The roots we offer are not seedlings but large divided plants. Plant in spring or fall, setting plants 3 feet apart each way.

VICTORIA.—The standard for general use. Each 15c, 5 for 70c, dozen \$1.50, postpaid. By express, not prepaid, per doz. \$1.00.

IDEAL MAMMOTH.—The largest and best variety. See description in vegetable seed department. Strong roots 25c each, doz. \$2.00, postpaid. By express, not prepaid, per doz. \$1.50.

CAULIFLOWER.

Transplanted ready April 15.

Henderson's Snowball.

By mail postpaid, doz. 25c, 100 for \$1.50. By express, not prepaid, 100 for \$1.25, 1,000 for \$10.00.

TOMATO.

Transplanted ready May 1.

Sparks' Earliana. Beauty

Dwarf Champion. Matchless.

By mail postpaid, doz. 25c, 100 for \$1.40. By express, not prepaid, 100 for \$1.00, 1,000 for \$7.50.

Not transplanted, by express, not prepaid, 100 for 75c, 1,000 for \$5.00.

SPECIAL TOMATO.

Transplanted plants only.

Majestic, Red Majestic.

Yellow Majestic. Dwarf Stone.

By mail postpaid, doz. 40c, 100 \$2.00.

Pot Grown Plants, doz. 75c, postpaid.

VEGETABLE PLANT COLLECTION

JUST ENOUGH FOR THE HOME GARDEN

It often happens that you would prefer to buy a few vegetable plants rather than bother with growing from seed. We appreciate this fact and offer you the following collection of vegetable plants in such way as to make it a veritable bargain:

12 Tomatoes, 25 Early Cabbage, 6 Pepper, 6 Egg Plant, 25 Celery, 50 Sweet Potatoes. All by mail, postpaid, for \$1.00.

ASPARAGUS ROOTS

It pays to have a small bed of asparagus so as to gather it fresh, and when once set, a bed will last many years. Our roots are strong and healthy. We recommend the one-year-old roots as more desirable for general planting than the two-year-old, as well as cheaper. Ask for circular giving directions for planting.

CONOVER'S COLOSSAL.—One year plants.—Per doz. 25c, 100 for 90c, postpaid. By express or freight, not prepaid, 100 for 60c, 1,000 for \$4.00.

Two year plants.—Per doz. 50c, 100 for \$1.40, postpaid. By express or freight, not prepaid, 100 for 90c, 1,000 for \$6.00.

PALMETTO.—One year plants.—Per doz. 30c, 100 for \$1.00, postpaid. By express or freight, not prepaid, 100 for 75c, 1,000 for \$5.00.

Two year plants.—Per doz. 55c, 100 for \$1.50, postpaid. By express or freight, not prepaid, 100 for \$1.00, 1,000 for \$6.50.

COLUMBIAN MAMMOTH WHITE.—Per doz. 30c, 100 for \$1.10, postpaid. By express or freight, not prepaid, 100 for 75c, 1,000 for \$5.00.

Two year plants.—Per doz. 55c, 100 for \$1.50, postpaid. By express or freight, not prepaid, 100 for \$1.00, 1,000 for \$6.50.



GARLIC ROOTS.

EGG PLANT.

Hotbed grown ready May 1.

New York Improved.

By mail postpaid, doz. 25c, 100 for \$1.50. By express, not prepaid, 100 for \$1.25, 1,000 for \$10.00.

GROUND CHERRY.

Transplanted ready May 1.

Improved Yellow.

By mail postpaid, doz. 25c, 100 for \$1.25. By express, not prepaid, 100 for \$1.00, 1,000 for \$8.00.

PEPPER.

Transplanted ready May 1.

Red Chili. Large Bell. Ruby King.

By mail postpaid, doz. 25c, 100 for \$1.25. By express, not prepaid, 100 for \$1.00, 1,000 for \$7.50.

SWEET POTATO.

Ready May 1. Plants strong and vigorous, well rooted and hardy. Prices subject to change, depending on crop conditions. Ask price on large lots.

Yellow Jersey. Yellow Nansmond.

By mail postpaid, 100 60c. By exp., not prepaid, 100 for 40c, 1,000 for \$3.00.

Red Jersey. White Southern Queen.

By mail postpaid, 100 for \$1.00. By express, not prepaid, 100 for 75c, 1,000 for \$5.00.



HORSE RADISH SETS

HORSE RADISH

Grow it in your own garden and grate fresh. Plant the sets small end down in rows 2 feet apart, about 18 inches apart in the row. It does best in rich, loose soil set slanting and covered about two to three inches. Doz. 15c, 100 75c, postpaid. By express, per 100 50c, 1,000 for \$4.00.

GARLIC

Species of onion propagated by dividing the bulbs into small pieces, planting each one separately. It is quite pungent and is used for flavoring soups, stews, etc. Per lb. 40c, postpaid. By exp., lb. 25c, 10 lbs. \$2.25.

FARM SEED DEPARTMENT

EXPERT PRODUCTION

EXPERT SUPERVISION

EXPERT SERVICE

Did you ever consider that our entire force of employees work for you; that you are the ultimate paymaster. Perhaps you have never looked upon the matter in this light, but this is the view our house takes in the conduct of our business. Without your patronage our business would cease to exist, and we believe you want just what we do—the very best hired help it is possible to secure. Upon this basis we ask your consideration of our claims to your trade in seeds. We offer you trained and experienced men to handle your orders. We offer you unsurpassed accommodation for housing and caring for stock. We offer you unsurpassed facilities for transportation. We offer you the service of experts in the production and selection of seed stocks. Above all, we offer you the recommendation that comes from long years of fair dealing with the public, and the private character of nearly two hundred employees whose integrity is responsible for the high reputation enjoyed by our concern. We are ready to be judged in any way you wish to make the test. We will mail you free samples of farm seeds for inspection. We will ship you seeds subject to your approval, giving you fifteen days in which to test them; and if they are not satisfactory you may return them to us and we will return to you the money paid.

NOTICE OUR GUARANTEE BOND—DEPOSITED FOR YOUR PROTECTION.

Explained on Page One of this Book.

We could not afford to spend great sums of money for equipment, pay salaries for experienced men, and guarantee to please the customer unless we were sure of our ground—unless we did furnish seeds that would stand the closest inspection and give satisfaction. We have reason to believe we do give satisfaction because our business continues to expand; our sales for the months of March and April, 1912, totaling over \$227,000. This is an expression of confidence which we greatly appreciate, and which should be evidence to you that we sell good seeds, and please our friends.



WAREHOUSE, 208-210-212 SOUTH EIGHTH ST.,
WHERE ORDERS FOR FARM SEEDS ARE FILLED.

PRICES named in this department are always subject to important market changes. All quotations are net and are not subject to any premium or discount. Clover and grass seeds are constantly varying in value, and we issue a price list daily during the busy season. Please write for quotations, sending list of requirements when in need. Orders sent us will be given benefit of lowest prices on day order is received. Will take pleasure in mailing samples and quoting inside prices at any time on large orders.

SHIPPING.—In this department everything that is quoted by the packet or pound is sent by mail, postpaid; all larger quantities, unless noted, are sent by express or freight at the expense of the purchaser. Prices named include bags and delivering to depot here.

ABOUT WARRANTING.—We thoroughly test all our seeds and nothing is sent out which we do not believe to be good in every respect. However, we give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs or plants we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned, and the money paid for same will be refunded. We know of no responsible seed firm in the world which guarantees seeds any further than this. Compare with other seed catalogues and you will find we are right.

THE SINCERE EFFORTS AND SPLENDID FACILITIES OF OUR ENTIRE ESTABLISHMENT ARE AT YOUR SERVICE

OUR SHIPPING WAREHOUSE

Has side-track capacity for seven cars at once, and loading stations for five wagons at the same time. It houses the most modern electric cleaning machinery with capacity for 1,000 bushels of grass seed per day. It contains a seed drier which will thoroughly cure a car load of grain each day. The superintendent of this department has been with the house more than twenty years in that position, and the business has increased ten fold in that time.

OUR EXPERIMENT GROUNDS

We make provision at our Altoona Farm for planting test plots of the various grains which we offer, and also to note the comparative growth of varieties offered by others. We also test new things as offered, so that we may catalogue only proven sorts and be better able to answer inquiries from customers. Our customers secure the benefits of all this painstaking care, and may be assured that the varieties of grain we offer are suited for their planting.

WE THOROUGHLY CURE our grain and seed corn. We purchased and erected in our warehouse a drier, especially for the purpose of kiln drying such of our seed grains and corn as might require artificial ripening to protect the germ. It will thus be seen that we have provided every possible protection for our customers so that they may be assured of clean, pure and vital farm seeds for their planting, and on this basis we ask your trade.

OUR SEED CORN HOUSE

At Altoona, eleven miles east of Des Moines, is, we are sure, the best arranged and most complete building in America for this purpose. The outside walls are made up almost entirely of doors which can be lifted for ventilation and are in fact kept open all the time except during very cold or stormy weather. The interior arrangements consist mainly of very narrow high cribs with ventilators running through the entire length of them and narrow passages between the cribs. There is a very extensive system of steam pipes underneath which are used as needed for drying the corn and also to keep out moisture during foggy weather and to protect it from freezing.



OUR NEW SEED GRAIN ELEVATOR AT ALTOONA

OUR NEW ELEVATOR

Erected last summer at Altoona. We did not have room in the city for the immense amounts of grain necessary for our trade and we built this elevator with numerous separate bins; with a storage capacity so that we might have a place to store the excess seed grain until needed for shipment, and quickly execute large orders for car lots. It is equipped with electric cleaning and grading machinery to improve the quality of the grain as it comes in from the threshers, and we can handle a car load through the elevator in less than one hour if necessary.

We Buy Under the Microscope

Our grass seeds are all subjected to a strict microscopic examination and test. Many lots are rejected because they contain weed seeds or other impurities that render them unfit for our trade. We will not offer to our farmer customers any grass seeds that we would not be willing to sow on our own farms. We give expert attention to recleaning all grass seeds received, taking out all sand, dirt and trash, and the result is that the grass seeds we offer are as good as money and skill can produce.



SEED CORN HOUSE AT ALTOONA

NO CHARGE FOR BAGS. THEY ARE FURNISHED FREE WITH SEEDS AT CATALOGUE PRICES

It costs less than 45 cents
an acre to use our carefully
selected SEED CORN.

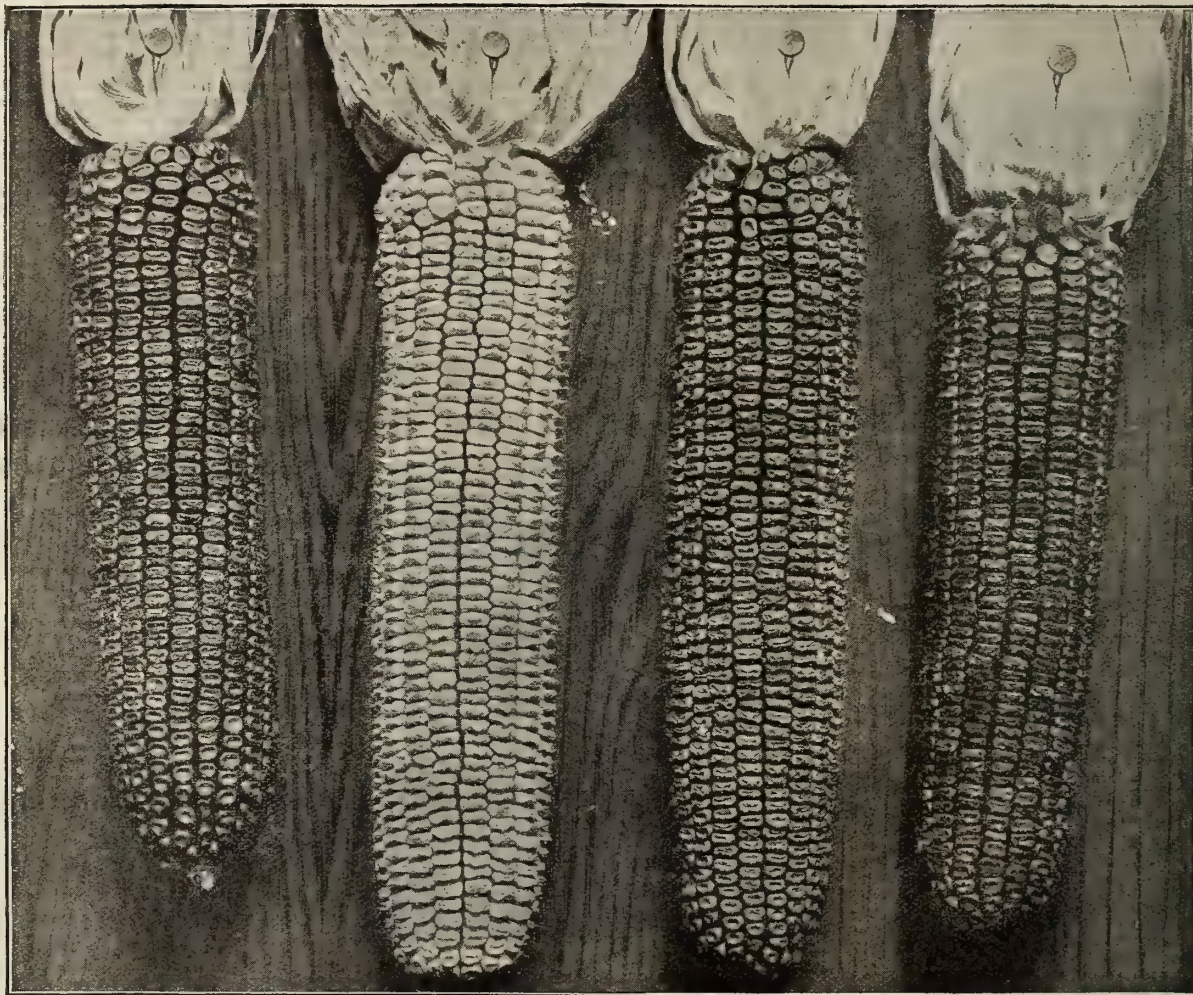
SEED CORN

Do you deem it wise to risk
doubtful corn when GOOD
SEED is so cheap?

GROWN, SELECTED, CURED, GRADED AND TESTED BY THE IOWA SEED COMPANY

Are you making money raising corn? If not, why not? If so, can't you increase your profits? These are questions that every producer of corn should ask himself. It matters not whether the corn is sold on the market or fed to live stock; it has just so much value at the shipping station and this price must be the basis from which to figure profit and loss. Any gain from feeding or from selling for seed, or at an advance over the going price must in justice be credited to some other account than the corn fields. You are not getting the most from this crop unless you harvest a hundred bushels per acre. This may seem a strong statement, but stop and think a moment. There are more than 10,000 stalks of corn on an acre of ground, planted three in a hill in the ordinary manner. If each

stalk produced one good ear it would mean more than a hundred bushels per acre. If you cannot mature three stalks per hill and good ears on each stalk there is a fault either in the soil, cultivation, or seed. We cannot supply the soil or care to correct your trouble; but we can supply the seed corn that will solve this part of the problem. If you buy your seed of us you need not fear barren stalks; and if soil and care are right the ears will be ears, not nubbins. Note carefully what we say about the different varieties in our catalogue. Ask for our advice in case you are at a loss to decide what is the best sort for your location. If you state in your order the conditions of soil and climate under which you operate, we can help you select corn that will make good for you and increase your yield materially.



FARMERS' RELIANCE

IOWA SILVER MINE

THE PROFIT

IOWA GOLD MINE

HERE IS A SAMPLE OF THE SEED CORN WE GROW AND SELL
An Actual Photograph---Not "Faked"---Not Even "Retouched"

Taken From Four Sample Ears, Showing the Actual Type of Different Varieties Illustrated

The question of price? There is no item that the farmer uses that is quoted at such widely different values as is seed corn. Single ears of corn have been sold for a hundred dollars or more; while many farmers consider a dollar a bushel a high price. We could make seed corn for less money than we do; we might also charge a great deal more than our present prices and still be below the actual value of the corn we sell. Quality has always been the first objective in our seed corn business; next the cost of production has been watched year after year to cut down unnecessary expense and prevent waste. There is only a limited amount of a crop fit for seed. We pay a premium to our growers to secure extra care and cultivation, and we spare neither labor or money in selecting, curing, grading and testing such of the crop as is used for seed. But we have reduced all of these processes to a system, cut out all

useless features, and are thus able to and do produce the highest grade pedigree seed corn at no greater price than is charged by many dealers for crib-sorted common seed corn. The seed corn we sell you must be right or you need not keep it. We give you fifteen days after you get it to test it for vitality. We give you the privilege of returning it if it is not up to our representation, and if for any reason or without reason you are not satisfied with our seed corn send it back and we will repay the money sent us. You don't have to take our word for this statement. On page one of this book you will find that we have put up a bond of \$10,000 with one of the banks of our city, as a guarantee that we will do just as we agree. Now, what more can we do? We cannot guarantee a crop, that would be folly, but we let you be the judge. Thus when we ask you to accept our advice we give you every protection.

ALFALFA

MOST PRODUCTIVE HAY
CROP. HIGHLY NUTRITIOUS
ENRICHES THE LAND.

CAN BE GROWN
ANYWHERE

ASK FOR CIRCULAR
GIVING
FULL DIRECTIONS
FOR GROWING
ALFALFA AND
SWEET CLOVER.

FROM
PHOTOGRAPH OF
PLANT GROWN AT THE
IOWA AGRICULTURAL
COLLEGE LAST SUMMER

SWEET CLOVER

THE BEST CROP
TO RECLAIM POOR
OR WORN OUT
LAND. VERY
PROFITABLE IF
PROPERLY
GROWN

A TREAT
FOR EVERY LOVER
OF SWEET CORN.

TRY THE NEW
GOVERNOR GILMAN
SWEET CORN

EARLY
EXQUISITE FLAVOR
PER LARGE PKT. 15¢
4 FOR 50¢

THOROUGHbred MARKET GARDENERS BEET

PER PKT. 10¢
OZ. 25¢

ALFALFA

THE WONDERFUL CLOVER THAT IS GRADUALLY EXTENDING ITS USEFULNESS TO ALL PARTS OF THE UNITED STATES

Much is being written by agricultural writers on the advantages of Alfalfa as a profitable crop in the corn belt; in fact it is now being grown with success by progressive farmers in all parts of the country. We have prepared a circular on "How to Grow and Use Alfalfa" and will mail a copy to any of our friends who request it. There is no great difficulty in its production and we know from years of observation and experience that it will thrive on the loam soils of the middle west.

The Quality of Seed

As with medium red clover, the increasing demand for Alfalfa seed has caused immense quantities of low grade seed to be offered on the market. Thousands of bushels are imported each year, much of which contains impurities and foul weed seeds in such quantity as to make it really dangerous to sow. A great deal of the American grown seed is offered just as it comes from the hullers, full of weed seeds, sand, trash and immature grains so that it will not pay to use it. The crop of Alfalfa seed this year was very good and is also of good quality so that we will have a much larger proportion of Iowa Shield grade seed to offer than is possible in a poor year; and you can start with greatly increased chances for success. Prices change and we can only offer seed at market values. Ask for samples and prices when ready to buy.

IOWA SHIELD ALFALFA SEED

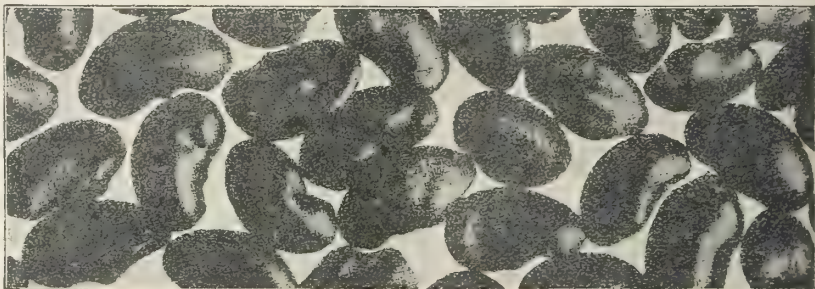
No seed which we handle is given closer scrutiny than Alfalfa. We buy only the best offered; using the microscope and analyzing for purity. Our Iowa Shield Brand grade is the brightest, plumppest and cleanest we can find; and even this is not good enough for Shield grade until we have recleaned it through our perfected machinery and taken out everything in the way of sand, broken grains and dirt; and when it is put in the branded bags it is fit to sow anywhere. We invite the closest inspection of our Iowa Shield Brand Alfalfa from particular farmers and we will gladly mail you a small sample on request for microscopic inspection and analysis.

IOWA STANDARD ALFALFA SEED

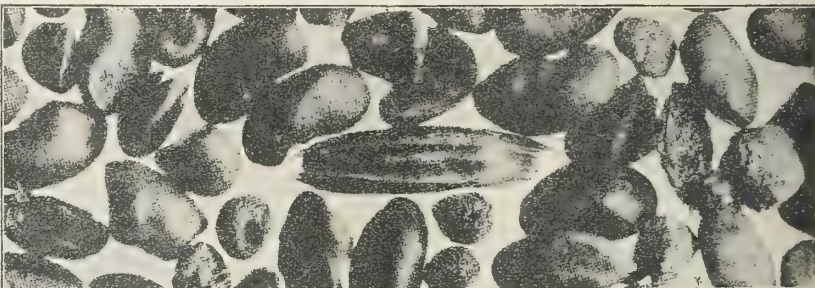
Is a good grade of Alfalfa, fully up to the standard of the Iowa pure seed law, and is in fact fully equal to most of the Alfalfa seed offered as "choice" or "prime" by other dealers. It is really nice seed and we will mail a sample for comparison if desired.

TURKESTAN ALFALFA

We import the seed of this variety, but are just as careful in our buying as we are in the purchase of American seed. There is a demand for this sort in the semi-arid regions of the west and northwest as it is said to be harder than our native sorts. The seed which we offer will be clean, plump and vital and in purity is nearly as good as our Iowa Shield Brand. If you want a hardy Alfalfa we recommend this to you without reserve.



UNDER THE MICROSCOPE: Upper Picture—Iowa Shield Brand Alfalfa seed. Lower Picture—Alfalfa seed as frequently offered.



SWEET CLOVER

A great demand now exists for sweet clover as the farmers of the middle west are beginning to realize its great value for pasture and hay. Many who use it claim it is superior to Alfalfa because it is so easily established, makes a wonderful crop, and enriches the soil with one season's growth. Three varieties are in common use.

Melilotus Alba—The white-flowered sweet clover is the sort generally seen growing by the roadsides and is the most robust and heaviest cropper.

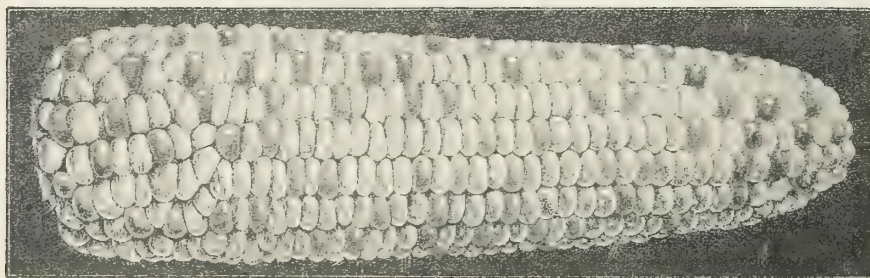
Melilotus Officialis (Yellow Flowered)—Is very similar to the commoner white-flowered sort, but blooms a little earlier and does not grow quite so rank and coarse; and is claimed to be superior for this reason.

The Annual Yellow Flowered Variety is low growing (10 to 12 inches high) very quick maturing, and will furnish pasturage six weeks from sowing. Its most profitable use is to prepare the land for summer seeding of Alfalfa.

We have prepared a folder on Sweet Clover, explaining the methods of handling it, and the characteristics of the various kinds, and will gladly send you a copy on request.

Ask for our Special Clover Seed circular, Alfalfa circular and Sweet Clover circular and study the methods of using these crops to the best advantage.

Two Vegetables of Exceptional Excellence



GOVERNOR GILMAN SWEET CORN

Named for Governor Gilman of Minnesota, who produced it by crossing Golden Bantam on a larger early white variety of sweet corn of exceptional quality. The variety shows its origin in both the green and mature corn as it shows uneven dotting of white and golden grains as will be noted in our illustration of an ear in fit table condition. When cooked the variation does not show so plainly, and it presents a beautiful golden appearance on the table. It is the quality of this corn that induced us to give it a prominent place in our list. There is no corn offered, not even Golden Bantam, that is so sweet, so tender and fine flavored as the Governor Gilman. When to its quality we add good size, earliness and prolific yield we have in our opinion the best of all sweet corn, and urge our friends to plant it in full confidence that it will prove its superiority in every way. Pkt. 15c; ½ pt. 25c; qt. 75c.

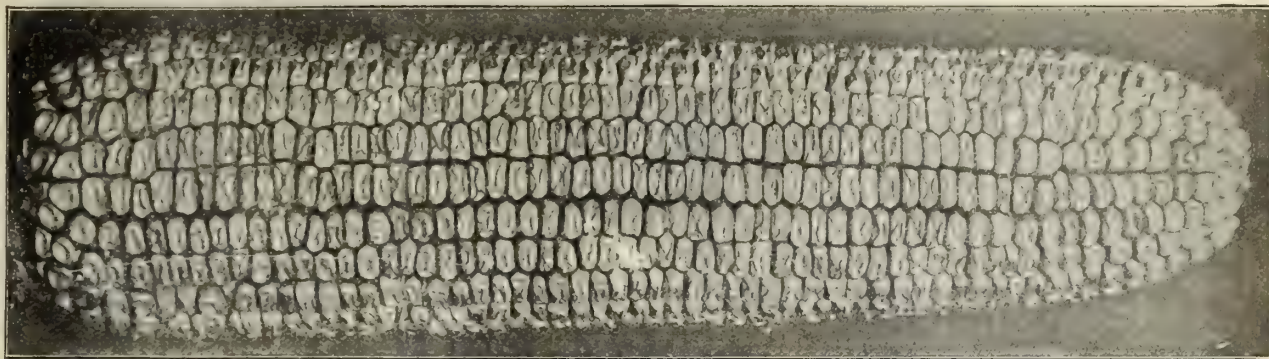
THOROUGHbred MARKET GARDENERS' BEET

While this is not a novelty, or untried variety, its exceptional quality, almost perfect shape and extreme productiveness are the factors that induce us to feature it as a specialty of decided merit. The many words of praise for this beet from our thousands of customers is our best evidence that it will please everyone who grows it. The seed we offer is new crop and was grown on our farm at Altoona, which is sufficient assurance of its quality. More fully described on page 6 of this catalogue. Pkt. 10c; oz. 25c; ¼ lb. 60c; lb. \$2.50.



Include these two superior vegetables in your order without fail. They will delight you with unequalled quality.

ADDRESS ALL ORDERS AND CORRESPONDENCE TO IOWA SEED COMPANY, DES MOINES, IOWA



PROFIT CORN.

THE PROFIT CORN

Our Oldest Thoroughbred Corn. More than Thirty Years of Pedigree

The Ideal Variety for a Heavy Yield. It Grows a Large Ear Well Up on a Large Stalk, and Produces an Immense Amount of Feed Per Acre.

What use do you make of your corn crop? This is the day of the specialist, and many farmers are growing corn solely as feed for live stock. Many others grow it only as a money crop, but the one who gets the most from his corn crop is he who conserves every part of the corn to the best uses. The silo is almost a necessity nowadays. The corn harvester and shredder are also used successfully by the most progressive farmers. On many farms the quantity of live stock kept is carefully figured at all times that the produce of the farm, including the corn, may be utilized without waste and with the greatest profit. These are advanced positions in the business of farming and with these conditions expanding from year to year, the corn to be produced must likewise improve in adaptability to the needs of advanced agriculture. Our Profit Corn is the variety best suited to meet the demands of the corn grower in central and southern Iowa, in Illinois, Missouri and corresponding zones. It will mature wherever Reid's Dent can

be successfully grown, and will surpass that well known sort in size of ear, shelled corn to cob, and growth of stalk. What we aim to furnish in the Profit Corn, is a variety that will actually ripen; that will haul in ear or shelled to market at the top price; that will furnish the largest amount of stover for shredded fodder or silo as the feeder may require; that will furnish a soft grain readily eaten and digested by live stock; and one that will yield big crops of big corn. The Profit meets these requirements. It produces big ears on big stalks; containing a maximum amount of sugar and starch in each plant, and it will mature a big crop. The ears are so large and heavy that they weigh like lead. They contain 20 to 22 rows of very deep grains (long as Iowa Gold Mine), so you can get an idea as to the very large circumference of the ears. Length is 10 to 12 inches, so you can see that the greatest number of grains per ear will be found in the Profit Corn. It is rapidly growing in popularity and we recommend it without reserve.

BRED AND IMPROVED BY US FOR MORE THAN 30 YEARS

And Has Our Strongest Recommendation as a Profitable Sort

This is our oldest corn. It came to us through our Mr. Kurtzweil before he joined the firm, when he was growing seeds for the company under private contract. He insisted that this corn was so much better than the ordinary corn as then planted that we ought to offer it for sale. Inspection proved him to be correct and the corn was catalogued, but with indifferent success, as nobody seemed to want to buy seed corn. When Mr. Kurtzweil joined the company as a partner in 1888 he brought this corn with him and has kept it in the family ever since. It is still grown under his personal supervision, and he watches very closely the individual ears that are selected for stock seed each year. It originated from a carefully prepared cross of two well known sorts and when first introduced contained many grains showing a light cap, thus giving it a rather mixed appearance. This still exists but in a very small degree, as from the steady and careful handling this feature has been gradually eliminated until at present it is but little noticeable and hardly appears at all in the shelled corn. It is really one of our handsomest corns when shelled, and like Iowa Gold Mine sells readily on sight. We will be glad to mail you a sample if you want to see it. The improvement in appearance has not been made at the expense of any valuable qualities.

The purpose of the originator was to fix a type of field corn for profit, superior to any in cultivation, and profit in

corn growing, as we understand it, means the largest crop of shelled corn (not cobs), maturing in a reasonably short time, and of the best quality. Ears of large size, grain is very deep, cob small for size of ear and dries out rapidly, thus making it a sure cropper. Corn is solid on the cob, the kernels appearing driven in, and it shells out immensely.

This variety does not mature so quickly as either Gold Mine or Silver Mine, requiring 110 days, and we do not recommend it for planting in the extreme northern districts of Iowa, if a crop of grain only is desired, or if the corn is to be sold in the ear, but we think it is the best corn for silage in the northern districts, as it will mature sufficiently for that purpose. It will do well in the two central and southern districts for all purposes, and we believe it will produce more bushels of shelled corn than any variety with which we are acquainted.

The Profit is the Kind for Profit

For all farmers, no matter whether it is for feeding or for market. It will not disappoint the grower who gives it good soil and care.

PRICES: Pkt. 5c, lb. 25c, 3 lbs. 60c, 7 lbs. (will plant one acre \$1.00, by mail or express prepaid. By frt. or express, not prepaid pk. 90c, bu. \$3.00, 2 bu. or more at \$2.85 per bu., 10 bu. for \$26.00.

JUST A FEW OF THE REPORTS ABOUT PROFIT

A prominent Polk County (Iowa) farmer says: "Profit corn has outyielded every other variety on my place. Ears are large, extremely solid, and grain is deep. It shells out more than other sorts."

A customer in Sullivan County, Mo., writes: "Your Profit Corn was very satisfactory this year, although I planted it quite late in the season."

A neighbor to the west of us, living in Guthrie County, Iowa, says of the Profit Corn: "I like it and shall plant entirely of it next season. It is solid and heavy and feels profitable while you are husking it. Matured better than any other corn there being less loose or chaffy ears than usual with other varieties this season."

From over in Illinois comes the following report: "The Profit Corn I received from you last spring has the right name. It is the best corn for stock. It grows large and is cold and also contains a greater proportion of fat than any corn in our country."

Still further east, over in Ohio, we have a customer who writes us: "I was much pleased with your Profit Corn this season, as it gave an exceedingly large yield."

Across the Missouri river in Nebraska the Profit has made friends. One of our customers reports: "Your Profit corn proved a great drought resister. Every stalk had a good ear while other varieties of corn yielded but very little. If I had planted my fifty acres with Profit, even at your high price as I thought for seed, I would be many dollars ahead on my crop."



IOWA GOLD MINE

The Deepest Grained
and Purest Yellow

Corn in Existence : : : :

The Kind that Made Us Famous

THE GREATEST CORN FOR THE NORTHERN FARMER OR FOR THE LIVE STOCK FEEDER

There is opportunity for a fine profit to the live stock feeder during the next few years, owing to the fact that the market price of corn is lower and the price of finished live stock higher than a year ago; and every indication points to a continuation of this condition for some time. The best posted authorities, both agricultural and market writers, agree upon this point. We want to assist our friends to take advantage of this condition and swell the margin of profit to the highest limit. We therefore offer as a help to this end choice seed from our pedigreed stock of Iowa Gold Mine Corn.

ONLY SIX POUNDS OF COBS

Seventy pounds of Iowa Gold Mine on the ear will make 62 to 63 lbs. of shelled corn. This is the smallest proportion of cob of any variety. We have shelled selected ears of this corn which produced only 6 lbs. of cob per bushel. This is an unparalleled record. It cannot be equalled by any other corn in the world. One carload lot of 400 bushels of Iowa Gold Mine corn was carefully weighed, and after shelling was re-weighed and there was just 456 bushels. Just think of it—a gain of 14 bushels to the 100. You can see from these figures that if you are to sell this corn it should be either sold as shelled corn, or a premium demanded for the corn in the ear. You cannot afford to sell 70 lbs. of ear corn for a bushel as you are actually giving the buyer six or seven extra pounds, worth five cents at ordinary market value.

GRAIN IS OF SUPERIOR QUALITY

You can readily understand its exceeding great value to the feeder. The figures given above demonstrate that there is very little waste, but they do not show the features which are so much superior to other kinds—the soft grain and the oil and sugar content that make it so readily digestible by the stock. There is really ten per cent more feeding value in Iowa Gold Mine pound for pound than in the ordinary sorts, and an acre of Gold Mine producing fifty bushels is worth as much to the feeder as a sixty bushel yield of any other variety.

Each year our sales of this variety are enormous, and for the past three years our supply has been exhausted before planting time. This year, however, we have a splendid crop of thousands of bushels of choice seed, carefully selected, cured and graded, and yet, knowing the immense demand that is sure to come to us for Iowa Gold Mine, we urge our friends to send their orders early.

SOME SHORT STATEMENTS ABOUT GOLD MINE.

From New York: "I bought some Iowa Gold Mine Corn of you, and it is the best corn I ever used in my life."

From Wisconsin: "The Iowa Gold Mine Corn is the best I ever saw, and it is well adapted to this climate."

From Colorado: "Your Iowa Gold Mine Corn was early and stood the drouth remarkably well. I never made a better investment in my life."

From Illinois: "The Iowa Gold Mine Corn yielded three times as much as any other variety. Think it is the best corn I have ever seen."

From Ohio: "I purchased some Iowa Gold Mine Corn of you which did exceedingly well here. I took three premiums on it at three different county fairs."

From Missouri: "I think Iowa Gold Mine the best corn of all, and am perfectly satisfied with it."

From Kansas: "The Iowa Gold Mine Corn I got from you has done fine. It has been in ear two weeks ahead of any other field corn."

From Texas: "From your sample package of Iowa Gold Mine Corn I had just twentyfour stalks and there were sixtyfour ears on them."

From Iowa: "The Iowa Gold Mine Corn surprises everyone by its deep grain and small cob. It shells out about six pounds to the bushel more than any other sort."

A FEW OPINIONS OF IOWA SILVER MINE.

From Arkansas: "The seeds purchased from you produced the finest yields ever seen in our country. The Iowa Silver Mine corn yielded 188 bushels per acre."

From Missouri: "I planted the Silver Mine on a piece of land a little less than one acre. The other day I husked 12 shocks and got 42 bushels of good corn. At this rate I will harvest about 131 bushels of corn per acre."

From Kansas: "I am especially pleased with the Iowa Silver Mine Corn, and it is worth five times the kind I have been growing."

From Iowa: "I don't think a better quality of corn can be found than the Iowa Silver Mine and it yielded 114 bushels per acre for me."

THE BEST FOR ALL FOR FEED

This is the yellow corn that we want to sell to our friends who grow corn for feeding. We have grown it for more than twenty years, and in spite of all the new varieties brought out, and against the demand by planters for great big corn, the Gold Mine is still the favorite with feeders everywhere. It is early, ripening in 95 days; never fails to produce a crop in any section where corn will mature, and is ready for early fall feed weeks ahead of the large late sorts grown in the central and southern portions of the country.

Twenty years ago we secured this variety. We debated long and earnestly about the advisability of undertaking to push the sale of seed corn. In those days it was difficult to persuade a farmer to buy seed corn. However, the appearance of this corn was so attractive, of such beautiful color, and so fine in depth and quality of the grain, that it was finally decided in conference to offer free samples by means of paid advertisements. We had faith that this corn would sell itself if only the farmers could see it, and that faith has been fully verified. From the day the first sample was mailed until now this corn has only to be seen to be desired. We still follow our old-time method and if you are interested in seed corn we will send a small sample of Iowa Gold Mine for inspection, because we know from experience that it sells on sight.

By reason of our method of introduction the Iowa Gold Mine became more widely disseminated and better known than any other variety of corn. It is sold and planted all over the world where corn is grown. It is listed by dealers in every state in the Union and in Central Europe, South Africa, Australia—everywhere that corn is planted. It has received the most cordial endorsement everywhere.

PRICES Pkt. 5c, lb. 25c, 3 lbs. 60c, 7 lbs. (will plant one acre) \$1.00, by mail or express prepaid. By freight or express not prepaid, pk. 30c, bu. \$3.00, 2 bu. or more at \$2.85 per bu., 10 bu. \$26.00. Ask for prices in quantity.

We are the original introducers of Iowa Silver Mine and Iowa Gold Mine and if you want pure, thoroughbred seed of these varieties it must be purchased of us. We have proof that some other dealers are copying our descriptions and selling common corn under these names. The cost of our pure seed is only about 45 cents per acre. One bushel per acre added to your crop will pay for the seed used.

ONE ACRE, ONE DOLLAR. TWO BUSHELS ADDED TO THE YIELD PAYS COST OF SEED

Prize Winner
Everywhere

IOWA SILVER MINE

212 Bushels
Per Acre

The World Wide Favorite White Variety

THE CORN THAT ALWAYS MAKES A CROP

The Iowa Silver Mine Corn seems to have some quality lacking in most of the other large varieties, because a change of location seems in no way to diminish the yield or impair the quality when grown from our seed. We have reports in our files from customers in Egypt, South Africa, Australia, Central America, Mexico and the West Indian Islands, as well as from all parts of the United States praising in the highest terms the Iowa Silver Mine Corn produced from seed purchased of the Iowa Seed Company. So widespread has been the dissemination of this variety, and so universal the success of the planters that without hesitation we recommend Iowa Silver Mine for all corn planters except possibly the extreme northern portions of the corn belt. We even have letters from customers in Minnesota and the Dakotas stating that Iowa Silver Mine has matured in that latitude, but we hesitate in advising our patrons north of Iowa to purchase this variety. We have never in our thirty years' experience found any corn, white or yellow, that would give as good results under adverse weather and soil conditions,

THIS CORN IS TRULY THOROUGHbred

It is seventeen years since we purchased the original stock of Iowa Silver Mine for the sum of \$1,000 in cash. Each year since it came into our hands the stock has been carefully selected to maintain all its superior qualities and we have grown it with care, giving it good soil and cultivation, and isolating it to prevent mixture or taint from any other variety. During these years a multitude of competitors have arisen in the seed corn trade, and many unscrupulous dealers have grown Iowa Silver Mine, giving it a high-sounding name, and heralded it broadcast as a wonderful new variety. It is a wonderful variety, but our stock is of the original, purchased by us in 1895 and bred continuously since that time under the personal direction of our seed corn experts, who have thirty years' experience as their guide. It is produced at Altoona, in a locality highly favorable for the growth of corn, and our men are provided with all the modern methods necessary to produce a fancy quality of seed.

IT IS A MOST UNIFORM TYPE

The stalk grows to a height of about seven or eight feet and sets the ears about three and one-half or four feet from the ground, just the right height for easy picking. One peculiarity which will be noticed in going over the fields is that there are no barren stalks; every one has an ear, many stalks have two or three good ears, and the originator says that has been characteristic every year that he has grown it. Type is very even. Ears measuring from ten to twelve inches in length, and weighing one and one-half pounds, are often found. The ears are very uniform in size and shape, with sixteen to twenty straight rows (usually eighteen rows) of deep, pure white kernels, set on small, white cob, and ears are well filled out over the tips. It is early, maturing in ninety-five days. The cob dries rapidly, so that it is ready for market earlier than any other large white field corn. Seventy pounds in the ear will make sixty-two shelled. It is adapted to a wider range of soil and climate than any other corn ever offered. From Minnesota to Florida, from Massachusetts to California, it will yield a paying crop where other sorts are grown at a loss. It is in every way a distinct type of corn, hardy, and a wonderful resister of drouth.

HERE IS A PART OF ITS RECORD

Everywhere the Iowa Silver Mine captures the prizes over all other varieties. At one fair ten of the largest ears took first prize, ten of the smaller ears took second prize. Afterwards the same ten large ears took sweepstakes over all other varieties, both white and yellow, making a total of \$95.00 in prizes taken at one fair by twenty ears of the Iowa Silver Mine Corn. It captured the big prize offered by us in 1896, for the largest crop, against all other kinds of any color, yielding 215 bu. At the Illinois State Fair it took first premium for the best bushel of corn, any color or sort; first for best white corn in the state, grand sweepstakes for best corn, any color, competition open to the world. In 1899 the Illinois State Agricultural Society offered three large prizes for the largest crop grown on one acre and Iowa Silver Mine captured all three with crops of 196, 176 and 154 bu. per acre. No other corn, any color, can compare with it for productiveness.

Read the Astonishing Record of Our Own Prize Contest. It produced 215 bu. per acre in Scott Co., Iowa, the crop being actually inspected by a member of our firm. It yielded 211 bu. per acre in Indiana; 201 bu. in Arkansas; 178 bu. in Illinois; 145 bu. in Ohio; 137 bu. per acre in Texas.

PRICES:

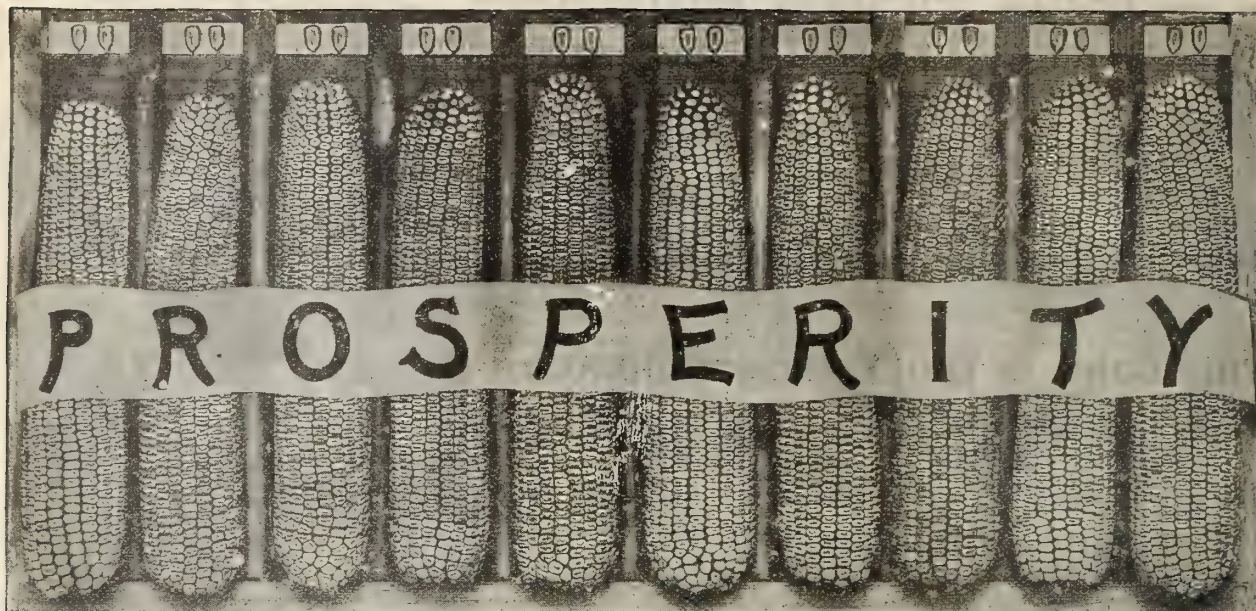
For high grade extra select seed corn postpaid or by express prepaid: Pkt. 5c, lb. 25c, 3 lbs. 50c, 7 lbs. (will plant one acre) \$1.00. By frt. or express, not prepaid, pk. 90c, bu. \$3.00, 2 bu. or more at \$2.85, 10 bu. or more at \$2.60. Write for prices in quantity.

There is a prejudice in the minds of some farmers against white corn. For many years it was thought that white corn lacked some essential elements that were contained in the yellow.

Against both of these handicaps Iowa Silver Mine has had to contend, and in spite of them it has won its way to the head of the list of varieties in general use. There is still more yellow corn grown than white, but there are so many kinds of yellow corn planted that when single varieties are considered Silver Mine will be found to lead them all, as nearly all white corn now grown is from Silver Mine parentage.

A FREE SAMPLE OF OUR SEED CORN WILL CONVINCE YOU OF ITS MERITS





PROSPERITY

OUR IMPROVED STRAIN OF REID'S YELLOW DENT

There are many good points about the ordinary type of Reid's Dent Corn but it has not proven to be desirable in all respects. Owing to the compactness of the corn on the cob, and the texture of the cob itself, it dries out very slowly and unless watched carefully the tips of the grains on the ear become moldy and the vitality is destroyed. It is the tendency to hold moisture in the cob that is the most serious drawback of Reid's Dent. In our Prosperity we have bred it to a rougher and more open type of ear, and somewhat smaller cob, so that we have largely eliminated this trouble. Prosperity will produce a satisfactory crop with less favorable conditions than those required by Reid's Dent. The plant is ideal, the stalk being about eight feet high with abundant broad leaves, and it is so well rooted that it withstands windstorms extra well. It is comparatively free from barren stalks. The foundation for this variety was obtained from the champion ears shown at the Chicago World's Fair in 1893, and we have bred it continuously for many years, so that the type is thoroughly fixed, and will produce uniform corn of exceptional attractiveness, and specially fine for selling in market on the ear. The ears are large, 10 to 12 inches long, nearly cylindrical, holding their size well to the end; are well rounded or capped over at both ends, and have that well-groomed appearance of thoroughbred corn. Cobs are dark red, medium size, grain a splendid yellow, rather slender and of good

depth. Our illustration does not do this corn justice, as the ears used in the picture were gathered in the field before husking time; no opportunity was had to make selection and we were compelled to take them as they came.

PRICES: Pkt. 5c, lb. 25c, 3 lbs. 60c, charges prepaid. By freight, purchaser's expense, pk. 90c, bu. \$3.00, 2 bu. or more at \$2.85 per bu., 10 bu. for \$26.00.

In my test the new Prosperity Corn matured well, making very uniform, good shaped, sound ears of rich yellow color and deep kernels.—Geo. M. Fox, Dallas County, Iowa.

Your Silver Mine Corn grew splendidly and ripened sufficiently to make seed corn 100 miles north of St. Paul.—Francis Maddox, Crow Wing County, Minnesota.

GRADED SEED CORN

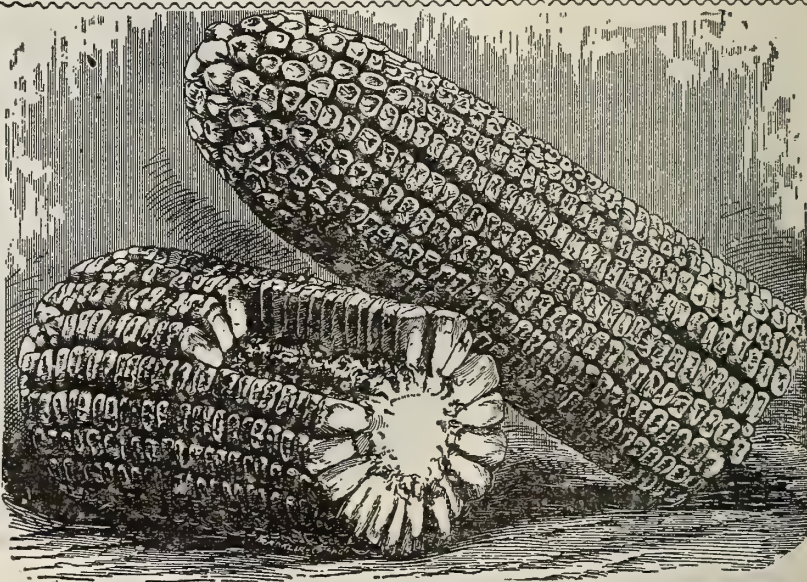
We carefully grade all seed corn which we send out, removing the extreme tip and butt kernels so that it is readily planted with edge-dropping corn planters. But the grading is only a part of the labor which we give to the production of good seed corn. All varieties are carefully grown under direct supervision of the vice-president of our company. It is gathered early, and stored in our seed corn house, where every ear is carefully inspected by experts and only those absolutely true to type and of strong vitality are shelled for seed purposes. You cannot buy better seed corn in America, no matter what the price.

LEGAL TENDER

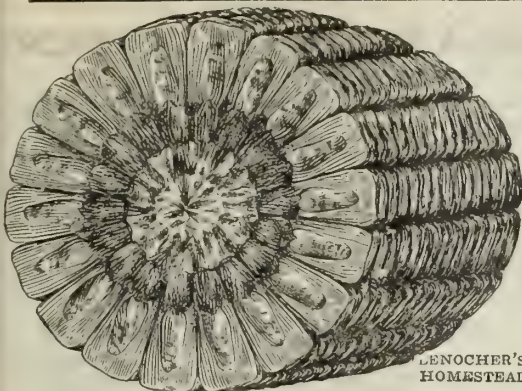
Recommended as a Specially Choice Yellow Corn for the Southern District of the Corn Belt

This is the original type offered by some dealers under various names. It originated some twenty years ago in Mills Co., Iowa, and is practically a large-eared Gold Mine, and can be matured in about 115 days. It is not recommended for northern half of Iowa or corresponding latitude but it is one of the best varieties in the list for central and southern portions of the corn belt. Before introduction to the trade it was given ten years' careful selection by the introducer, who says of it: "Our ideal ear is two-thirds as large around as it is long, containing 16 to 20 rows, and small shank. Kernels are deep, cob is small at butt and the ear holds its bigness to the point until near tapering off. It is capped over and the kernels hold their size toward the point, while the butt runs out straight and is not crinkled." Owing to the small cob it dries out quickly and in this it is far superior to Reid's or other large-cobbed corn. The ears are large, grains deep and color fine. We have grown it at our Altoona farm many years and our stock will be hardier and better acclimated for the central districts than will seed produced farther south. It is a splendid yellow corn and we recommend it to all our friends who are located in our zone of production or south of us.

PRICES: Pkt. 5c; lb. 25c; 3 lbs. 60c; 7 lbs. (will plant one acre) \$1.00, by mail or express prepaid. By freight or express, not prepaid, pk. 90c; bu. \$2.75; 2 bu. or more at \$2.60 per bu.; 10 bu. for \$25.00.



WE HAVE ROOM TO PUBLISH ONLY A FEW TESTIMONIALS. THEY COME IN EVERY DAY

LENOCHER'S
HOMESTEAD

Your Lenocher's Homestead Corn is out of sight. My neighbors bought all I could spare for seed purposes, and I had hard work to keep seed enough for my own use.—Frank Degnan, Seneca Co., Ill.

LENOCHER'S HOMESTEAD

A HUNDRED BUSHELS PER ACRE VARIETY

This is the corn that won the Iowa Homestead prize of \$100 for the best three acres of corn grown under ordinary methods. The crop produced yielded 345 bushels on the three acres on the farm of Mr. G. F. Lenocher, a practical farmer and feeder of Dallas County, Iowa. We made arrangements with Mr. Lenocher to introduce the corn to the public and gave it the name of Lenocher's Homestead and have offered it for fifteen years. It is given as great care with us as our other sorts and our stock is carefully selected for seed purposes. The color is a rich dark red with occasional light caps; grain deep and hackled; ear somewhat above the average with small cob which dries out rapidly so that it is not likely to be caught by frost. It is perfectly safe corn to plant in central and southern districts, and produces good crops in unfavorable seasons when other corns will hardly make nubbins. Don't let your prejudice against red corn prevent a trial of this splendid corn, for we give you our assurance that it will produce more actual corn per acre than the kind you are growing, and it makes just as good feed as any other sort. There is no prejudice on the part of the live stock or the silo against red corn. Pkt. 5c; lb. 25c; 3 lbs. 60c; 7 lbs. (will plant one acre) \$1.00, by mail or express, prepaid. By freight or express, not prepaid, pk. 90c; bu. \$3.00; 2 bu. or more at \$2.85 per bu.; 10 bu. for \$26.00.

Your Lenocher's Homestead Corn is the best hog corn I ever fed. It is the earliest variety grown in this part of the country.—John Aberle, Doniphan County, Kan.

THOROUGHbred PEDIGREED

Carefully Selected Stock of

REID'S YELLOW DENT

The Great Show Corn

OUR QUALITY THE BEST



REID'S YELLOW DENT

REID'S YELLOW DENT

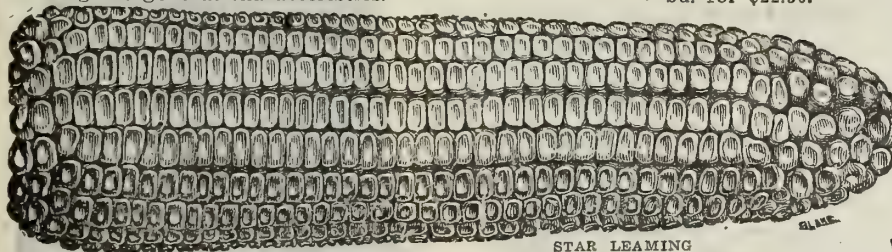
THE STANDARD CORN IN THE MIDDLE WEST.

This variety is the best known among progressive farmers who grow for the great corn shows and who try to breed to the show standard. The type of Reid's Dent is the standard for corn judges and through its popularity at the shows it has become widely known and generally distributed. It is a thoroughbred corn having many years of selection for its foundation, and the type is thoroughly fixed so that reversion seldom occurs, and the crop is always uniform in size, shape and color. It is the most highly recommended by Professor Holden, the noted corn expert formerly of the Iowa Agricultural College, and is too well known to require lengthy description, our illustration well showing the general characteristics.

It requires about 115 days to mature and we do not therefore recommend it for planting north of Central Iowa. In good years it will often produce splendid crops as far north as the Minnesota line, but it cannot be depended on to ripen in short seasons in that latitude. A splendid variety for the farmer who sells corn in the ear.

Our stock is extra choice, having been grown from stock received direct from Mr. Reid, and we have selected the choicest ears so we are sure our seed cannot fail to please the most particular. It is of handsome yellow color, smooth, deep grained, and the kernels are packed very closely on the cob, thus giving it an appearance of great solidity. Pkt. 5c, lb. 25c, 3 lbs. 60c, 7 lbs. (will plant one acre) \$1.00, by mail or express prepaid. By freight or express, not prepaid, pk. 75c, bu. \$2.50; 2 bu. or more at \$2.40 per bu., 10 bu. for \$22.50.

Last spring I got some Reid's Yellow Dent seed corn and would say it is as fine as any corn I ever saw. Don't think it could be beat in the state.—A. A. Westbrook, Ira, Ia.



STAR LEAMING

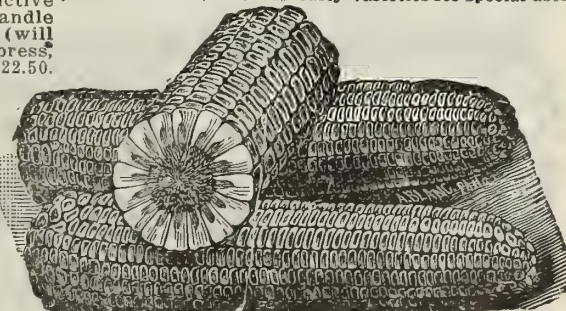
STAR LEAMING

THE VARIETY YOU CAN SELL AT TOP PRICE

Owing to the deep, bright color, smooth, tapering ear, and solidity and weight of this corn, it is in high demand by shippers, either for ear corn or shelled. In our opinion, it is a splendid feeding corn as the grain seems to be particularly rich. The originator of the Leaming Corn was Mr. Leaming, of Ohio, and we have bred our stock for a long series of years, selecting for uniform color, earliness and size, so that our stock is really a great improvement over the original Leaming, and we designate it "Star" Leaming, so that our friends will know it is our particular strain of this valuable variety. It grows to medium height, setting the ears about four feet from the ground, husks very easily and the corn is very snug on the cob, making a solid, heavy ear. It is a very productive sort, and because of the smooth, even surface it is much nicer to handle than the rough, hackled sorts. Pkt. 5c; lb. 25c; 3 lbs. 60c; 7 lbs. (will plant one acre) \$1.00, by mail or express, prepaid. By freight or express, not prepaid, pk. 75c; bu. \$2.50; 2 bu. or more at \$2.40 per bu.; 10 bu. \$22.50.

IOWA YELLOW DENT

We always advise farmers to select the best named varieties in buying seed corn, and believe it pays them in the long run. Every year, however, there are thousands of farmers in need of seed corn, and their main object is to secure at a low price a nice grade of yellow corn which is well matured, thoroughly tested, of strong vitality, and will produce a good crop of sound corn. While this corn is not equal to our best named varieties, still we believe you will find it superior to nine-tenths of the corn offered by other dealers. It is not a crib corn nor is it purchased on the market for sale, but is specially grown for us and given the same care accorded to our other varieties. By freight or express, not prepaid, pk. 60c, bu. \$1.75, 2 bu. or more at \$1.60 per bu., 10 bu. \$15.00.



IOWA YELLOW DENT

SUPERIOR QUALITY

Thoroughbred Stock of

STAR LEAMING

The Great Market Corn

OUR OWN STRAIN

WHAT VARIETIES TO PLANT

In the Extreme North—Sanford's White Flint, Improved Yellow Flint, Pride of the North.

Northern District—Pride of the North, Longfellow Dent, Silver King, Farmers' Reliance, Iowa Gold Mine and the flint varieties.

North Central District—Iowa Gold Mine, Iowa Silver Mine, Silver King, Farmers' Reliance, Longfellow Dent, and the flint varieties.

Central District—Profit, Iowa Silver Mine, Iowa Gold Mine, Farmers' Reliance, Star Leaming, Prosperity, Reid's Yellow Dent, Legal Tender, Lenocher's Homestead, Iowa Yellow Dent, Red Cob Ensilage.

Southern District—All of our large varieties will do well in this section, also any early varieties for special uses.

WE HAVE CHOICE THOROUGHbred STOCK OF EVERY VARIETY LISTED ON THIS PAGE



PRIDE OF THE NORTH

SILVER KING

This is an extra early white variety which originated with Mr. A. L. Goddard, of Kossuth county, Iowa, who originated the Pride of the North more than twenty years ago. It has been bred and tested for seven years at the Wisconsin Agricultural Experiment Station at Madison, and each year has shown an increase in yield, the last year's crop averaging 93 bushels per acre. It has by means of the publicity given it by the Wisconsin station become the most popular variety in that state and is fast becoming a standard, well known sort, and is really most desirable for the northern part of the corn belt. It might well be called a small-eared Iowa Silver Mine, as its general characteristics are very similar to that well known variety. The ears are 7 to 9 inches long (smooth, straight-rowed, of perfect shape and give every evidence of careful selection and thoroughbred pedigree.

PRICES.—Pkt. 5c, lb. 25c, 3 lbs. 60c, 7 lbs. (will plant one acre) \$1.00, by mail or express prepaid. By frt. or express, not prepaid, pk. 90c, bu. \$3.00, 2 bu. or more at \$2.85 per bu., 10 bu. for \$26.00.

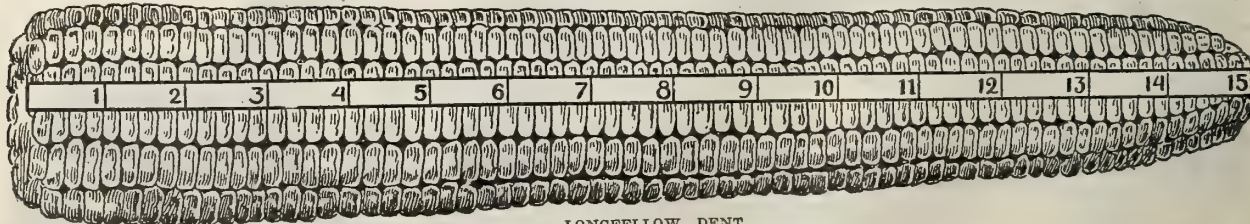
FARMERS' RELIANCE

A grand variety of field corn, introduced by the Iowa Seed Company, and it is by far the earliest large dent corn in existence, and also the largest early corn. Of very strong, vigorous character, growing more rapidly than any other variety from the day it is planted, it really surprises one with the speed with which it hurries on to make ears. The stalks usually have from nine to eleven blades, while most ordinary corn has thirteen blades. Leaves quite broad, of dark, emerald green, healthy color. Planted as late as June 26th has yielded a splendid crop. We claim it will mature in ninety days. Ears are larger, smoother, and easier to handle than Pride of the North and will yield one-third more under the same conditions. Seventy pounds of ears will make sixty pounds of shelled corn. Fully forty per cent of the stalks produce two good ears. **PRICES.**—Per lb. 25c, 3 lbs. 60c, 7 lbs. (will plant one acre) \$1.00, postpaid. By freight or express, not prepaid, pk. 90c, bu. \$3.00, 2 bu. or more at \$2.85 per bu., 10 bu. for \$26.00.

LONGFELLOW DENT

Most extra early sorts are too small and "hubbiny," but this new variety is of unusual length, our illustration showing an ear 15 inches long, but the average is about 12 inches. Its peculiar shape, which is different from any other sort, suggests the name. Matures fully as early as Pride of the North, is double the size and yields a far larger crop, which is ripe and hard before frost, thus making a variety that it will pay to "tie to." Stalks are of medium height, strong and not easily blown down. Grain is not as deep as some of our other varieties, but is the corn of corns for selling on the market, as a wagon-load of it is as pretty as a picture. We recommend it highly to customers in Northern Iowa, Minnesota, the Dakotas and other northern states.

PRICES.—Per pkt. 5c, lb. 25c, 3 lbs. 60c, postpaid. By frt. or express, not prepaid, pk. 90c, bu. \$2.75, 2 bu. or more at \$2.60 per bu., 10 bu. for \$25.00.



LONGFELLOW DENT

Longfellow Dent is a wonder. I have a stalk before me, less than 8 ft. high, yet with 22 in. of corn. One ear is 12 in., the other 10 inches long. This was on unfavorable ground and had but one cultivation, although the ground was worked over

several times before planting. Owing to our usual summer drouth, this is a most suitable variety for our hils. It is a remarkably strong pollenizer. By all means urge Longfellow on customers in the Ozarks.—Harry M. Wagner, Eminence, Mo.

EXTRA EARLY CORN

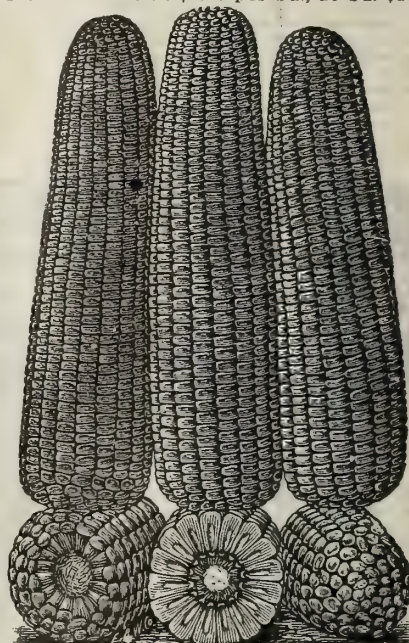
VARIETIES THAT MATURE IN 90 TO 95 DAYS

We offer you on this page varieties suitable for the farthest north of the corn belt. There is no dent corn so early as Pride of the North. There are no extra early sorts equal in yielding ability to Silver King, Farmers Reliance and Longfellow Dent. If our northern friends will grow these varieties they will get just as much corn per acre as if they planted the larger late varieties. The product will be far superior in quality and feeding value than will immature, half-ripened corn, the almost certain result where the large, late kinds are grown in unsuitable locations. In addition to the varieties here listed we call your attention to the flint corns listed on next page, which will be found very desirable for the extreme north. Any of these varieties will be valuable on any farm to grow for early feed, or to plant thickly for "hogging down" in early fall, before new crop corn is ready to feed. Every farmer can find a profitable use for extra early varieties of corn.

PRIDE OF THE NORTH

The variety originated with A. L. Goddard, of Kossuth Co., Iowa, near Minnesota line, over 20 years ago, and sprang at once into prominence as the earliest of all yellow dent corns. The ears are 7 to 8 in. long with small cob and kernel; 70 lbs. of ears will make 62 lbs. shelled corn; color bright orange, very uniform. Will ripen in 90 days and matures in this latitude when planted in June. Good soil is capable of producing four or five good stalks to the hill and many of the stalks have two ears each. Same results can be better accomplished by growing closer together or planting in drills, as it does not require as much room as the large growing sorts. This will enable one to get as large a crop as with a long eared variety, and much more fodder. It is the dependence of the man in a pinch. If for any reason you cannot plant at proper time Pride of the North will make a crop in 30 days' less time than the large-eared sorts.

PRICES.—Pkt. 5c, lb. 25c, 3 lbs. 60c, 7 lbs. (for one acre) \$1.00, postpaid. By frt. or exp., not prepaid, pk. 90c, bu. \$2.75, 2 bu. or more at \$2.60 per bu., 10 bu. \$25.



FARMERS RELIANCE.

EXTRA EARLY VARIETIES WILL BE FOUND PROFITABLE FOR EARLY FEED ON ANY FARM

GIANT RED COB ENSILAGE

Beyond doubt the best fodder corn for the south, either to feed green right from the field, to put up for the silo, or to cure and stack away. It is a pure white corn, cropping as high as 45 tons of fodder per acre. It is sweet, tender and juicy, has short joints and therefore an abundance of leaves and grows to a fair height, but not over-large and coarse-stalked as some varieties. It is adapted to every section of the country for fodder, and makes an excellent grain crop in Missouri and throughout the south. Ears $8\frac{1}{2}$ to 10 inches, 16 rows, kernels deep, broad, and pure white on red cob. Popular with dairy farmers. Pkt. 5c, lb. 25c, 3 lbs. 60c, postpaid. By freight or express, not prepaid, pk. 65c, bu. \$2.25, 2 bu. or more at \$2.10, 10 bu. \$20.00.

HICKORY KING

A white field corn which has the largest grains with the smallest cob of any white corn ever introduced. So large are grains and so small the cob that on an ear broken in half a single grain will almost cover the cob section completely. Of strong, vigorous growth and yields splendid crops on light soil; a desirable variety where season is long enough to mature it. We do not recommend it north of southern Iowa, although it has produced a good crop forty miles north of Des Moines. Notice the illustration and if your farm is not too far north try it this year. Matures in about 135 days. Pkt. 5c, lb. 25c, 3 lbs. 60c, 7 lbs. (will plant one acre), by mail or express, prepaid, \$1.00. By freight or express, not prepaid, pk. \$1.00, bu. \$3.00, 2 bu. or more at \$2.85 per bu., 10 bu. for \$26.00.

**SANFORD'S EARLY WHITE FLINT**

This standard variety is considered the best flint corn on the market. The ears are of unusual length, 12 to 15 inches, and handsome shape, flinty white color. Plants of sturdy, vigorous growth; leaves are very broad and succulent, and it is therefore of great value for fodder and ensilage, as well as for a grain crop. Stalks usually bear 2 or 3 long ears. Pkt. 5c, lb. 25c, 3 lbs. 60c, postpaid. By freight or express, not prepaid, pk. 65c, bu. \$2.50, 2 bu. or more at \$2.40, 10 bu. \$22.50.

IMPROVED YELLOW FLINT

An eight-rowed yellow flint variety with ears from 10 to 15 inches long, $1\frac{1}{2}$ to $2\frac{1}{2}$ inches in diameter, and well filled out to the extreme end of the cob. The cob is small and the kernel large and broad; ripens in 75 to 85 days. Said to produce 200 bushels of ears to the acre in Massachusetts. Has given excellent results in Minnesota and other northern states. Excellent for ensilage and is often used here for replanting. Pkt. 5c, lb. 25c, 3 lbs. 60c, postpaid. By freight or express, not prepaid, pk. 65c, bu. \$2.50, 2 bu. or more at \$2.40, 10 bu. \$22.50.

NEW CENTURY WONDER

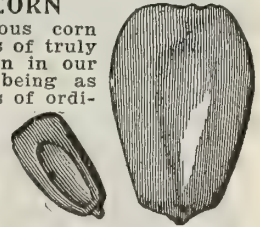
A wonderful variety from South America, different in many respects from other sorts. Instead of growing like ordinary corn, one stalk to each kernel planted, it stools like winter wheat, producing 10 to 20 stalks from each seed. Often 3 to 7 ears to stalk, being 8 to 10 in. long, and of most clean, snow-white color. Of excellent quality for the table like sweet corn; when dry and ground makes the cleanest, finest, whitest meal. An improvement on Brazilian flour corn, being acclimated by growing in the north. Plant early as it requires the whole season to mature in this latitude. Pkt. 10c, $\frac{1}{2}$ lb. 15c, lb. 40c, 3 lbs. (will plant one acre) \$1.00, postpaid. By frt. or exp., not prepaid, $\frac{1}{2}$ pk. 65c, pk. \$1.00.

COBLESS CORN

A unique curiosity. The grain grows at the top of the stalk, where the ordinary corn produces the tassel. Each grain is enclosed in a husk in the manner of primitive corn, while the head resembles sorghum or Kafir, except that the grain itself is true corn; hard and flinty, and about the size of grains of the ordinary flint varieties. Sold only in packets at 10c.

GIANT CUZCO CORN

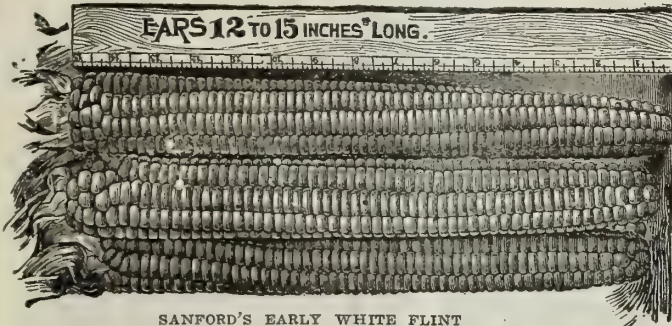
A strange and curious corn from Peru, with kernels of truly mammoth size as shown in our illustration, each one being as large as 4 to 10 kernels of ordinary field corn. It will cause wonder and astonishment in everyone who sees it. It is quite late in maturing and therefore should be started early in the house. In transplanting be careful not to disturb the roots. Our cut shows an ordinary kernel of corn beside of the Cuzco. It is a great novelty and attracted much attention at the corn shows. Pkt. 10c, lb. 75c.



GIANT CUZCO CORN

PRIMITIVE OR HUSK CORN

It is from this wild variety that all of our civilized sorts have sprung. The ears are of fair size and each individual kernel or grain is covered with a husk and all is enclosed in an outer husk like common corn. In some of the wild and uncultivated parts of Mexico the primitive or natural corn can still be found growing wild. It is quite curious and valuable for exhibition purposes and attracts great attention wherever seen. Pkt. 10c. Specimen ear 40c, postpaid.



SANFORD'S EARLY WHITE FLINT

EVERGREEN SWEET FODDER CORN

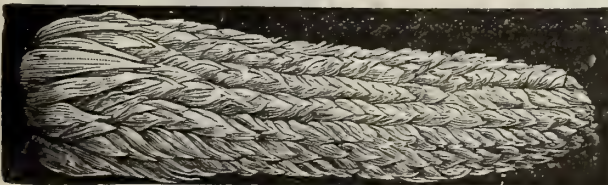
The past few years seed sweet corn has been so scarce and high in price that we did not urge our customers to plant it, but last year we grew a splendid crop, both in quality and quantity, and are therefore enabled to offer it at a low price. We consider it one of the most valuable fodder plants in existence, and stock farmers should all devote some land to it. The stalks are sweet, juicy, rich, tender and very nutritious. On a strong soil it will grow 10 to 12 feet high and produce almost an incredible amount of fodder, which when well cured is equal to hay, besides being cheaper. It is claimed by dairy farmers this fodder will increase the milk and cream production greatly and keep the animals in the best condition. It has the further merit of being so sweet and palatable that cattle eat every part of the stalk and leaves. As a green fodder for cutting in the summer, one acre is worth eight acres of ordinary pasture. Of high value also for hogs, and an excellent plant to plow under for soiling. Sow thickly in drills, or broadcast at rate of 2 bu. per acre. By freight or express, not prepaid, pk. 75c, bu. (measured) \$2.50, 2 bu. or more at \$2.35 per bu.



EVERGREEN FODDER CORN

EARLY SWEET FODDER CORN

Will make feed much earlier than the above and is very nice to feed when in roasting ear. Not as large a yielder. By freight or express, not prepaid, pk. 75c, bu. \$2.50, 2 bu. or more at \$2.35 per bu. Ask for price in quantity.



PRIMITIVE OR HUSK CORN



SEED WHEAT

There has been for the past several years a tendency on the part of Iowa farmers to increase the acreage of wheat sown, and many are now growing wheat that formerly believed it an inferior crop. It has for several years been more profitable than oats, and with dollar wheat we believe it to be even more profitable than corn. If farmers would pay more attention to having the proper soil conditions, secur-

ing the right kind of seed and getting it in properly, they would find it as profitable a farm crop as can be raised. As a nurse crop for clover and grass seed we consider wheat the best small grain in the list. As a crop to round out the rotation on the farm wheat is again taking its place as a necessary item, and with improved seed and sod ground is proving as profitable as corn.

HAYNE'S PEDIGREE

A pedigreed strain of Blue Stem beardless wheat that has been carefully grown for a number of years in the northwest and by continued selection has improved to such a degree that it is now considered a standard variety in the grain growing sections of Minnesota and the Dakotas. Is grown very successfully in Iowa and will produce heavy yields of plump, sound grain. Per lb. 25c, 3 lbs. 60c, postpaid. By freight or express, not prepaid, pk. 65c, bu. \$1.75, 2 bu. or more at \$1.65, 10 bu. for \$15.

VELVET CHAFF, OR BLUE STEM

The standard variety for growing in Iowa and it is now the main crop in the northwestern states where the great milling kings use it for their highest grade of flour. Lb. 25c, 3 lbs. 60c postpaid. By freight or express, not prepaid, pk. 65c, bu. \$1.75, 2 bu. or more at \$1.65 per bu., 10 bu. \$15.00

MACARONI, OR DURUM WHEAT

(Kubanka.)—Yields 80 per cent greater than other varieties of wheat. One farmer reported 49 bushels per acre. It does especially well in the semi-arid plains. It seems to be always a sure crop and will mature in shorter season than any other wheat. Yields profitable crops in Kansas, Iowa, Oklahoma and Texas. Does well on good soil, but the yield is larger and quality better when sown in poor land. The grains are very hard and glossy, often translucent, and rather large. Heads compactly formed and

are bearded. Hardy and not attacked by smut or rust. Sow early in the spring, about 1½ bu. per acre. Per lb. 25c, 3 lbs. 60c, postpaid. By freight or express, not prepaid, pk. 65c, bu. \$1.85, 2 bu. or more at \$1.75 bu., 10 bushels for \$16.00.

WINTER WHEAT

For many years we have made a specialty of furnishing farmers of the middle west with choicest seed of winter varieties of wheat. We have urged upon our farmer friends the value of this crop from a money standpoint with the result that the production of winter wheat has steadily grown in volume and our friends have made a profit from this crop. We issue a price list of winter wheat about Aug. 1st.

RED CROSS.—The best beardless winter wheat for the corn belt. Lb. 25c, 3 lbs. 60c, postpaid. By frt or exp., not prepaid, pk. 50c, bu. \$1.75; 2 bu. or more at \$1.65 per bu.; 10 bu. \$16.

TURKISH RED.—The great standard winter variety so generally recommended by all authorities. Is grown successfully over a wider range of territory than any other. Produces fine crops everywhere. Lb. 25c, 3 lbs. 60c, postpaid. By frt. or express, not prepaid, pk. 50c, bu. \$1.50, 2 bu. or more at \$1.45 per bu., 10 bu. \$14.00.

DEFIANCE.—This is our greatly improved strain of Turkish Red which has a record of over 59 bu. per acre in Iowa. Is extremely hardy, strong and vigorous and has never failed to produce a profitable crop since we introduced it to our customers. Lb. 25c, 3 lbs. 60c, postpaid. By frt. or exp. not prepaid, pk. 60c, bu. \$1.75, 2 bu. or more at \$1.65 per bu., 10 bu. \$16.00.

EARLY JAVA

The early bearded sort that is so prolific and gives best returns in the corn belt. This is a bearded variety for which for five or six years past has given far better satisfaction in central Iowa than any other variety and wherever introduced it is driving all other sorts out. The farmers are delighted with it. It is a new variety of spring wheat, about ten days earlier than the Velvet Chaff or other standard sorts, and thus escapes the extreme hot weather so injurious to small grain. It is usually ready for harvest as early as winter wheat, and therefore desirable to sow on land where winter wheat has partially failed. A good crop can this way be secured from fields which would otherwise be unprofitable and the wheat would be all right for milling purposes, but would not do for seed. Yields in this vicinity ordinarily about 25 bu. per acre. Per lb. 25c, 3 lbs. 60c, postpaid. By frt. or express, not prepaid, pk. 65c, bu. \$1.85, 2 bu. or more at \$1.75 per bu., 10 bu. \$16.



EARLY JAVA WHEAT



MACARONI WHEAT



ONE CUSTOMER GOT \$35.00 PER ACRE FROM 30 ACRES OF WHEAT. IT WAS SURELY PROFITABLE



**Send for Free Samples
for Comparison**

If you want a large quantity of seed oats of any variety we handle write for special prices.

SEED OATS BUY THE IOWA GROWN SEED

Comparative tests for a number of years have led us to the conclusion that Iowa grown seed oats are the best to plant in the corn belt for the main crop. It is true that the foundation stock can be improved by importation of choice strains from Canada or England, but seed thus imported is always later to mature than the same variety grown a few years in Iowa. Every farmer understands that the greatest damage to oats comes through the bad weather conditions that usually obtain in late June and early July. The problem in oats raising is to get a variety that will mature before the adverse conditions obtain, and one that will produce good grain in profitable amount. To do this it is necessary to have seed that has been acclimated. We always are able to supply choice stocks and are pleased to have our seed oats carefully inspected.

PROSPERITY

INTRODUCED BY US FROM ENGLAND IN 1908

This variety when purchased by us in England was so very prolific, of such strong growth and the berry was of such exceptional size and weight that we thought it would be far ahead of our native grown oats. It was known as a "regenerated" strain of the English variety and is in truth a magnificent sort. We have sold imported seed since we introduced it until last season. Our experience is that the native grown stock loses some of the heavy growth of straw and some of extra size and weight of the berry, but ripens much earlier, the grain is firmer and of more feeding value, and the yield is heavier than either the first or second year from imported seed. The large white grains are almost as heavy as wheat. We want you to see them and will mail on request, free of charge, a small sample for examination. The straw is very stiff and coarse, well rooted so that it withstands unfavorable weather.

Iowa Grown Seed.—Pk. 50c, bu. \$1.35, 3 bu. \$3.75, 10 bu. \$11.50, 25 bu. for \$27.50.

REGENERATED SWEDISH SELECT MOST WIDELY ADVERTISED VARIETY

For reasons as set out in the introduction to this page we favor Iowa grown seed oats and are this year confining our offerings to home-grown stocks. We know that our oats are fully acclimated and have been grown successfully under adverse conditions, that they are not diseased in any way, and fully believe they will give as good or better results than the greatly advertised, high-priced seed of this variety. Pk. 45c; bu. \$1.15; 3 bu. or more at \$1.00 per bu.; 10 bu. \$9.00; 25 bu. \$21.25.

SILVER MINE

THE POPULAR MAIN CROP VARIETY

This is the standard variety for main crop in Iowa and from comparative tests for a period of years it has proven its ability to produce good crops under ordinary conditions, year after year. It has the reputation of yielding immense crops of 100 to 160 bushels per acre in favorable crop years. The grain is usually large, plump and heavy, with a reasonably thin hull. It is quite hardy, vigorous, stands up well, and shows little tendency to rust or lodge unless the soil is very rich. Has a splendid record in comparative tests at Iowa Agricultural College, and has greatly pleased our customers. Pk. 40c; bu. \$1.15; 3 bu. or more at \$1.00 per bu.; 10 bu. \$9.00; 25 bu. \$21.25.

EARLY CHAMPION

THE BEST EXTRA EARLY VARIETY

A grand variety introduced in 1898; has given excellent satisfaction to our customers and it gave the largest yield per acre of any variety in the test at the Iowa Agricultural College, and is very highly recommended by them. This variety has comparatively short straw, matures a week to ten days earlier than other kinds, largely escaping the liability to rust or blight during the time when the latter sorts are under unfavorable weather conditions. Its quick maturity is a valuable attribute, but its greatest value lies in its adaptability as a nurse crop to grow with grass seed, as it does not stool freely as some other sorts. It will not lodge on rich land. Henry Wallace, editor of "Wallace's Farmer" has stated: "I would rather risk growing grass seed with them than with any variety I know of." Pk. 40c; bu. \$1.15; 3 bu. or more at \$1.00 per bu.; 10 bu. \$9.00; 25 bu. \$21.25.

SWEDISH SELECT

EARLY CHAMPION

NO EXTRA CHARGE FOR BAGS TO HOLD SEED GRAIN AS THEY ARE FURNISHED FREE

SEED RYE

MAMMOTH SPRING RYE.—This is quite different from the winter rye and is highly valued wherever known. It is not only more productive but the grain is of finer quality and it can be successfully grown in any latitude. The straw is of special value as it stands six or eight feet high, being better than that of winter rye and producing nearly four times as much straw as oats. Produces 30 to 40 bushels of grain to the acre. As it does not stool like winter rye, not less than two bushels to the acre should be sown. There is always a demand for first quality rye straw and the price is nearly always remunerative. The double crop of straw and grain make it one of the most profitable of farm crops. Pkt. 5c, lb. 25c, 3 lbs. 60c, postpaid. By freight, pk. 50c, bu. \$1.70, 2 bu. or more at \$1.60 per bu., 10 bu. or more at \$1.50 per bu.

MONSTER WINTER.—We consider Winter Rye one of the most important of all farm crops. In the first place, it is a sure crop, failures being almost unknown. Every farmer should have at least a few acres of it. It is usually sown in the fall, and as it grows very vigorously, will furnish pasture till late in the fall and also early in the spring before other grasses have made a growth. So it is of great value to dairy farmers. If sown early in the spring it makes an early and abundant pasture, but makes no grain crop. Our Monster Rye is of extra quality. We are sure it will please you, no matter whether you want it for pasture or grain crop. As grown for the grain alone it will yield great returns and make money for you. As much as 60 bushels per acre have been produced. Pk. 50c, bu. \$1.40, 2 bu. or more at \$1.30 per bu., 10 bu. or more at \$1.25 per bu.

SEED BARLEY

MANDSCHEURI.—Improved strain of standard six-row bearded barley. The standard market variety by which all are graded and therefore the most popular bearded sort. It is an early variety, very strong, stiff straw, stands up and stools well. It bears large, well-filled heads of plump-berried grain. Per lb. 25c, 3 lbs. 60c, postpaid. By freight pk. 50c, bu. \$1.40, 2 bu. or more at \$1.30 per bu., 10 bu. or more at \$1.20 per bushel.

ODERBRUCKER.—First introduced into the United States twelve years ago from the Agricultural Experiment Station at Guelph, Ontario, Canada. Bred and disseminated at the Wisconsin Agricultural College by Prof. R. A. Moore, who claims it is the greatest barley in this country for feeding or malting purposes. It and Mandscheuri have held the record for many years for the heaviest yielding varieties. It is bearded, and in manner of growth similar to the Mandscheuri, but the straw is somewhat stronger and stiffer, and will stand up on the richest ground. Will not rust and is free from smut. Per lb. 25c, 3 lbs. 60c, postpaid. By freight or express, not prepaid, pk. 50c, bu. \$1.55, 2 bu. or more at \$1.45, 10 bu. or more at \$1.35 per bu.

SUCCESS BEARDLESS.—A very valuable variety. The earliest barley known. The straw is about the height of common barley, but better, and will stand up on any land; on good land will produce 80 bushels per acre. Sow as early as you can; frost does not hurt it. Many farmers will not grow barley on account of the long, harsh beards which are so disagreeable in threshing, although it is a profitable crop. This is beardless and as easy to grow and handle as oats. It has hulls like the Mansury or any other old variety, and is a heavy cropper, yielding from 50 to 75 bushels per acre, and the quality is excellent, both for malting and for feeding hogs. Per lb. 25c, 3 lbs. 60c, postpaid. By freight, pk. 65c, bu. \$2.00, 2 bu. or more at \$1.90 per bu., 10 bu. or more at \$1.80 per bu.

IDEAL WHITE HULLESS.—Is a barley that pleases all who try it. The heads are large and well filled with big, plump kernels which are hullless and of great value for feeding. Weighs 60 to 65 pounds to the measured bushel, while ordinary barley weighs only 48 pounds. The straw is very stiff and strong. It is the handsomest variety that we know of. The kernels shell out without the hulls and are the prettiest and handsomest white berry, plump and oval in shape, that has ever been grown. It is not a malting barley, but can be used for feeding only, and as a fattening feed for hogs it has no equal. Is a vigorous grower and can be sown after all the other grain is sown and it will mature before wheat or oats. Per lb. 25c, 3 lbs. 60c, postpaid. By freight, pk. 75c, bu. (48 lbs.) \$2.50, 2 bu. or more at \$2.35 per bu., 10 bu. or more at \$2.25 per bu.

YOUR CHECK IS GOOD

It is sometimes inconvenient for our farmer customers to send to town for draft or money order and if you have money in bank you can send your personal check with the order to pay for farm seeds. We make this offer to save you trouble and delay in obtaining seeds.



NOVELTY FARM SEED COLLECTION

Many of the items in this collection are not strictly novelties but few of them are generally known to our customers. For a very small price we offer an opportunity to study these plants and determine for yourself their value in agriculture. The collection consists of one good size pkt. of Primitive or Husk Corn, Cobless Corn, New Century Wonder Corn, Giant Cuzco Corn, Seradella, Teosinte, Sand Vetch, Australian Salt Bush, Pencillaria, Milo Maize, Thousand Headed Kale, New Era Cow Peas

and Soja Beans—
13 kinds in all—
postpaid, 60c.

HULLESS
BARLEY

BEARDLESS BARLEY



MANDSCHEURI BARLEY

MONSTER WINTER RYE AND SAND VETCH MAKE EXCELLENT PASTURE BOTH FALL AND SPRING

BUCKWHEAT

Buckwheat is a valuable crop for those parts of the farm which always seem to be left unplanted at the close of the season. Generally sown in July and will fill up the vacant plots at a time when all other planting is past. Can be sown after crop of winter wheat or rye and make a second crop. Use about one-half bushel seed per acre. Prices subject to change.

JAPANESE.—A week earlier than Silver Hull and yields more. Flour is equal to any other buckwheat, while it is more productive than any other, and succeeds well far north. The kernels are quite large, but the straw is heavier and it branches more; need not be sown as thickly as other kinds. Per lb. 25c, 5 lbs. 60c, postpaid. By freight or express, not prepaid, pk. 50c, bu. (52 lbs.) \$1.60, 2 bu. at \$1.50 per bu., 10 bu. for \$14.00.

SILVER HULL.—Very good, popular variety. Grain is of light gray color, rounder than the common variety, has a thinner husk, earlier and yields more. It is preferred by the mills grinding buckwheat flour as it makes a smaller proportion of hull to flour than any other variety. Per lb. 25c, 3 lbs. 60c, postpaid. By freight or express, not prepaid, pk. 55c, bu. \$1.75, 2 bu. or more at \$1.65, 10 bu. for \$15.00.

SPELT or EMMER

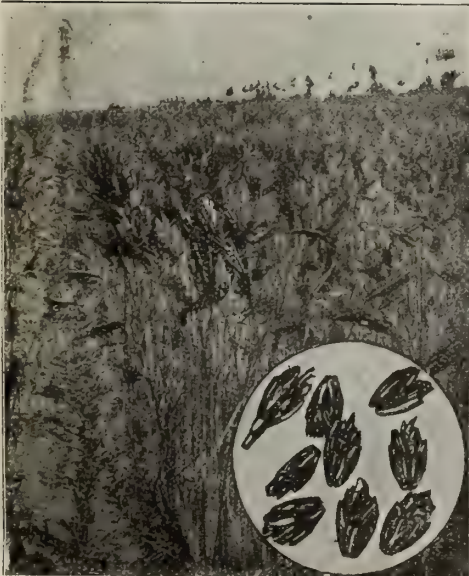
A Valuable New Grain from Russia.

This new grain was first introduced into this country by our house about ten years ago, has proven of great value, and is now listed by almost all of the leading seedsmen. It has become a staple crop in all sections of the west and northwest and its position in the list of grains is thoroughly established.

It is grown and handled in the same manner as barley, though many feeders do not thresh it but feed direct from the stack or shock. It is really better to thresh it as the process breaks up the beards and straw so that the animals eat it more readily. It is a splendid feeding grain, in our opinion second only to corn, and in dry or cold sections where corn will not mature Spelt will be the very best live stock feed that can be produced. It is in the cold and arid regions that it thrives best, and will yield wonderful crops under adverse conditions. Records of 75 to 100 bushels of grain and three to five tons of straw are reported from Kansas, Nebraska and the Dakotas. It can be used for pasturage and hay after the manner of rye, and if sown with field peas the hay will be strictly first quality. Its value lies in its hardiness, great yields, and feeding value, and it can be grown anywhere in the corn belt with profit. Use 50 to 75 lbs. of seed per acre. Per lb. 25c, 3 lbs. 60c, postpaid. By freight or express, not prepaid, pk. 50c, bu. (35 lbs.) \$1.40, 2 bu. or more at \$1.30 per bu., 10 bu. or more at \$1.25 per bu.

MIDSUMMER CATALOGUE

How to grow two crops each year. A catalogue of seeds for summer sowing and a special treatise on Alfalfa sent free on request to any of our customers.



SPELTZ

Special Red
Ink Price List
of Farm Seeds
sent any time
on request.



BROOM CORN

CALIFORNIA GOLDEN.—Carefully selected and improved so that the brush is straight and long, a very large proportion of it being suitable for hurl. Of fine quality, light green color, turning to light yellow when allowed to become too ripe. Per

lb. 25c, 3 lbs. 65c postpaid. By frt. or express, not prepaid, pk. 85c, bu. (50 lbs.) \$2.75.

EVERGREEN.—Largely grown in the western states. Brush noted for fine quality, good length and handsome appearance. Per lb. 25c, 3 lbs. 65c, postpaid. By frt. or exp., not prepaid, pk. 85c, bu. \$2.75.

DWARF.—Popular in some sections, matures late. Per lb. 25c, 3 lbs. 65c, postpaid. By freight or express, not prepaid, pk. \$1.00, bu. \$3.25.

COTTON

We can ship direct to our customers from the warehouse in the south and thus save on freight. Can furnish choicest stock in early varieties adapted to short seasons. Will quote standard varieties not here listed on application. Any of the varieties named below 20c per lb., 3 lbs. 50c, postpaid; prices below are by freight or express not prepaid.



EVERGREEN
BROOMCORN

MEBANE EARLY TRI-UMPH BIG BOLL.

One of the largest of boll sorts, 40 to 50 bolls to pound of seed cotton. Earlier than standard boll varieties; contains larger percentage lint. ¼ bu. 75c, bu. \$2.50, 5 bu. or more at \$2.25 bu.

RUSSELL'S BIG BOLL PROLIFIC.—Bolls extra large, always contain 5 locks and 40 will make a pound of seed cotton. Staple is first class. Will not produce as much as some sorts, but the net results per acre will exceed most others. ¼ bu. 75c, bu. \$2.50, 5 bu. or more at \$2.25 per bu.

TOOLE'S EARLY.—This is an extra early variety with very good boll. The staple is short but of good quality, and grades well. It stands the drouth better than most others. Per ¼ bu. 75c, bu. \$2.50, 5 bu. or more at \$2.25 per bu.

SEED FLAX

It will pay you to sow nice, pure, high-grade flax seed. For several years the available supply has not equaled the demand and prices have ruled very high. Our seed is thoroughly re-cleaned, free from mustard or any other weed seed and is as good as can be purchased anywhere. Don't buy flax seed on open market. It is generally full of weed seed. One of the most profitable crops, especially on new land. Price subject to change. Per lb. 20c, 3 lbs. 50c, postpaid. By freight or express, not prepaid, pk. \$1.00, bu. \$2.75, 2 bu. or more at \$2.65, 10 bu. or more at \$2.50 per bu.



FLAX

HARVEST WINTER WHEAT OR RYE AND SOW BUCKWHEAT. GET TWO CROPS IN ONE SEASON

FORAGE AND FODDER PLANTS

Every plant that will conserve the hay raised on a farm is of material advantage to the farmer. In this department will be found a number of items which, if properly used, will solve the problem of feed for the live stock when hay and pasturage are short from any cause. Amber Cane or Kaffir Corn for fodder; Rape or Kale for pasturage; Vetch or Field Peas for hay can be used by any farmer in the corn belt with profit. All may be siloed with corn to advantage.

EARLY AMBER CANE

Dairy farmers say that Early Amber Cane is the most valuable fodder plant in existence for their use. Notwithstanding its great adaptability as a food for live stock it is only recently that the real value of sorghum (or sugar cane) has attracted general attention. Its great merit is now beginning to be appreciated. It is of the very best quality, being sweet, tender, nutritious and greedily eaten by cattle, horses and hogs. Dairy men find that the cows will give more and richer milk from its use and it is claimed that as high as ten tons of fodder have been grown per acre. It can be grown successfully in any part of the country, from Canada to Texas, and from the Atlantic to the Pacific. It is one of the best plants to withstand drouth and unfavorable weather and is therefore a comparatively sure crop, and a larger crop is often produced from one acre than from three to five acres in hay. It is usually put in during the first half of June, sowing 100 pounds per acre broadcast, or 60 to 75 pounds per acre is sown with a wheat drill. Cut in September or just before frost with a mower and cure like hay, or with a binder and stand the bundles up. Many varieties are used but we consider the Black or Red Seeded Amber the most desirable. If wanted for sorghum purposes, we recommend sowing the Kenney's, which is purer, as there are so many different varieties of sorghum and allied plants like Kaffir and Milo Maize, that it is difficult to secure a strictly pure lot of seed of any of these plants. This cheaper grade is about as desirable for fodder purposes. Price is subject to market changes but it usually advances later in the season. Per lb. 20c; 3 lbs. 50c, postpaid. By freight or express, not prepaid, 10 lbs. 50c, 25 lbs. 80c; 100 lbs. \$2.75; 500 lbs. or more at \$2.50 per 100 lbs.



EARLY AMBER CANE

Kenney's, which is purer, as there are so many different varieties of sorghum and allied plants like Kaffir and Milo Maize, that it is difficult to secure a strictly pure lot of seed of any of these plants. This cheaper grade is about as desirable for fodder purposes. Price is subject to market changes but it usually advances later in the season. Per lb. 20c; 3 lbs. 50c, postpaid. By freight or express, not prepaid, 10 lbs. 50c, 25 lbs. 80c; 100 lbs. \$2.75; 500 lbs. or more at \$2.50 per 100 lbs.

KENNEY'S EARLY AMBER CANE

An improved variety grown on our own farms to keep it pure; will make the very finest grade of beautiful amber syrup of delicious flavor, and many persons will prefer it for table use to either maple syrup or honey. It is said that over 250 gallons have been produced per acre, and when boiled down making over 3,200 lbs. of sugar. Why not supply your own table in this way, as it is as easily grown as a crop of corn and succeeds well in all parts of the United States. Requires only 5 lbs. of seed per acre. Per lb. 35c; 3 lbs. \$1.00, postpaid. By freight or express, not prepaid, 10 lbs. \$1.75; 25 lbs. \$3.50; 50 lbs. \$6.50; 100 lbs. \$12.00.

MILO MAIZE

This is a plant very similar in manner of growth to Kaffir Corn, but is preferred by many growers who claim that it produces more grain per acre and better quality of forage than any of the non-saccharine sorghums. Is grown and handled in the same manner as Amber Cane or Kaffir for hay and fodder, and will make splendid ensilage if cut up with corn. Pkt. 5c; lb. 20c; 3 lbs. 50c, postpaid. By freight or express, not prepaid, pk. 50c; bu. (56 lbs.) \$1.75; 2 bu. or more at \$1.65 per bu.; 10 bu. for \$15.00.

KAFFIR CORN

A most excellent fodder plant. Grows 5 to 6 feet high, making a straight, upright growth. The stem or stalk bears numerous wide leaves. The stalks keep green and are brittle and juicy, making excellent fodder either green or dried. The seed crop is also heavy, yielding sixty bushels to the acre. Both grain and fodder are excellent. There is no failure about it; can go without rain without any loss in yield. The grain is extremely valuable for feeding to poultry. Cultivated the same as common corn, requiring 5 lbs. of seed per acre. For fodder sow one-half to one bushel, either broadcast or in drills. Pkt. 5c; lb. 20c; 3 lbs. 50c, postpaid. By freight or express, not prepaid, pk. 50c; bu. (56 lbs.) \$1.75; 2 bu. or more at \$1.65 per bu.; 10 bu. at \$1.50 per bu.

TEOSINTE

A fodder plant grown largely in some parts of the country. Somewhat resembles corn in general appearance, but leaves are much longer and broader and the stalks contain sweeter sap. Eighty-five stalks have been grown from one seed, attaining a height of 11 feet, and very thickly covered with leaves. Horses and cattle eat it as freely as young sugar corn. Plant as soon as ground becomes warm at usual corn planting time, in hills 3 to 4 feet apart each way, two seeds to the hill. Has yielded 50 tons of fodder to the acre. Large pkt. 5c; oz. 10c; ¼ lb. 50c; lb. \$1.00; 3 lbs. (sufficient for acre) \$2.75, postpaid.

PENCILARIA

Has proven a great boon to farmers, especially in dry sections. It does not do so well during wet seasons, being particularly a dry, hot weather plant. An improvement of the Pencilaria Spicata (Pearl Millet), much better adapted to the north and producing good crop where Pearl Millet is a failure. Seeds very small, and when it first comes up looks like grass, but very soon resembles corn, growing rapidly, and having broad, succulent leaves. Stools out wonderfully, customers reporting as high as 75 stalks grown from one seed. Sow in May or June in drills 24 to 36 inches apart, using 2 lbs. seed per acre, or broadcast, 15 lbs. per acre. Pkt. 5c; ¼ lb. 15c; lb. 35c; 3 lbs. \$1.00, postpaid. By freight or express, not prepaid, lb. 25c; 5 lbs. \$1.00; 25 lbs. \$3.75; 100 lbs. \$13.50.

TREE AND HEDGE SEEDS

(By mail, postpaid.)				Variety.			
Variety.	Pkt.	Oz.	¼lb.	Lb.	Pkt.	Oz.	¼lb.
Apple	.05	.15	.40	1.25	Locust, Black	.05	.10
Ash, White	.05	.10	.30	1.00	Locust, Honey	.05	.10
Box Elder	.05	.10	.30	1.00	Mulberry, Russian	.10	.30
Catalpa, Pardy	.05	.25	.75	2.25	Osage Orange	.05	.10
					Tree of Heaven	.05	.10



PENCILARIA

YOU CANNOT REALIZE THE IMMENSE VALUE OF THESE FODDER PLANTS UNLESS YOU TRY THEM

DWARF ESSEX RAPE

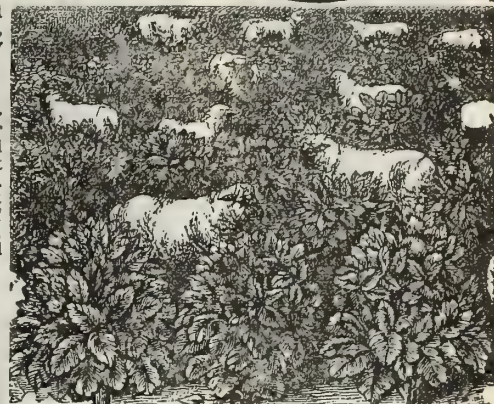
This is without question the most popular and profitable of all annual forage plants, and everywhere it is giving the best satisfaction. It is easily grown anywhere and stands unsurpassed as a pasture plant for hogs, cattle or sheep. They eat it greedily and seem to prefer it to any other pasture during the summer and till late in the fall or early winter. It can be sown early in the season to provide early pasture for sheep and swine or sow in small grain a week or so before cutting to provide pasture after harvest, or sow on the stubble, but it is usually sown in June, July or August with corn or potatoes or on well prepared land alone for summer and fall pasture. It is extremely cheap and very prolific, having yielded twenty tons of fodder per acre. In the east it is usually sown in drills, two or three pounds per acre, and cultivated, but in western states it is almost invariably sown broadcast, four or five pounds per acre, and grows so rapidly that weeds are quickly smothered. A Nebraska farmer says that he sowed only three pounds per acre on a four and one-half acre field, and five weeks after sowing he turned eighty head of hogs and forty pigs into the field and they pastured there constantly until October. The plants grew so rapidly that at no time could he tell where the hogs had been twenty feet away from the gate. Our seed is the best quality, direct from Essex, England, and far superior to the cheap Dutch grown seed. Per pkt. 5c, lb. 30c, 3 lbs. 80c, postpaid. By freight or express, not prepaid, 5 lbs. 75c, 10 lbs. \$1.25, 25 lbs. \$2.25, 100 lbs. \$8.00. Write for free circular on growing rape.

**THOUSAND HEADED KALE**

Will yield a much heavier crop than Dwarf Essex Rape and is now considered much superior to the rape in some sections. The seed can be sown early in April or any time thereafter till midsummer. It grows to a height of 3 to 4 feet, and is so covered with small whorls of leaves that the name of Thousand Headed Kale was given it. Sow broadcast 3 lbs. per acre, or in rows 18 in. apart, using 1 lb. per acre. Pkt. 5c, 1 lb. 15c, 50c, postpaid; 5 lbs. or more by express, not prepaid, at 35c per pound.

SERADELLA

When traveling in Germany we found that Seradella was the most profitable of all fodder plants grown there and almost everybody grows it for hay. Specially adapted to light, poor or sandy soil, being equal to red clover in nutritive qualities and also yields larger crop. One of the best drouth-resisting plants known and does well on high land as well as low. Cattle are very fond of it as hay, green fodder or for pasturing. It is not a perennial, but can be cut twice and will produce good pasture balance of year. Sow early in spring alone or with wheat or other grain. Pkt. 5c, lb. 30c, 3 lbs. 80c, postpaid. By freight, 10 lbs. \$1.50, bu. of 45 lbs. (will sow 3 acres) \$6.50.



THOUSAND HEADED KALE

GIANT SPURRY

Excellent for pasture and grows so well on dry, sandy soil that it has been called "the clover of sandy land." Is readily eaten by sheep and cattle. Sow broadcast in March, April or May. Pkt. 5c, lb. 35c, 3 lbs. 90c, postpaid. By frt. or express, not prepaid, 10 lbs. \$1.25, 50 lbs. \$5.00, 100 lbs. \$9.75.

SUNFLOWER

A small patch of cultivated sunflowers will produce an immense amount of the very best poultry feed for winter. Drill in rows, cut with a corn harvester, dry thoroughly and let the fowls do the threshing. If you can't spare land for cultivating plant them in the waste corners. We sell sunflowers for feeding purposes, and prices will be found with bird supplies on page 146, but seed so offered is not sold for germination. Ornamental varieties are listed with flower seeds.

MAMMOTH RUSSIAN.—An extremely large sunflower. Large pkt. 5c, lb. 25c, 3 lbs. 65c, postpaid. By freight or express, not prepaid, 10 lbs. \$1.00, bu. (25 lbs.) \$2.00.

WHITE BEAUTY.—Equal in size to Mammoth Russian. Pkt. 5c, lb. 35c, 3 lbs. \$1.00, postpaid. By frt. or express, not prepaid, 10 lbs. \$1.25, bu. (25 lbs.) \$2.50.



SUNFLOWER

AUSTRALIAN SALT BUSH

A valuable plant for soils containing alkali and for all regions able to furnish forage during hot, dry summer months in western and southern states. Not hardy in north. Needs some little moisture to start it into growth but when once started it will make a strong growth during hottest and driest weather. Spreading habit, branching freely, making thick mat of stems and foliage 12 to 18 inches over entire surface of the soil. Pkt 5c, oz. 15c, 4 lb. 40c, lb. \$1.25, postpaid; 5 lbs. or more by express, not prepaid, at \$1.00 per lb.

SEND FOR OUR RED INK FARM SEED PRICE LIST. IT COSTS YOU NOTHING AND TELLS PRICES AT TIME OF MAILING.



SERADELLA



AUSTRALIAN SALT BUSH.

WE SELL CARLOADS OF DWARF ESSEX RAPE SEED EVERY YEAR. IT IS A PROVEN SUCCESS



NEW ERA COW PEAS

Prices of Farm Seeds are subject to change. When ready to buy send for copy of our Red Ink Price List showing current values.



WHITE CANADA FIELD PEAS.



SOJA BEANS

YOU ARE PROTECTED

in purchasing farm seeds by our **\$10,000.00 GUARANTEE BOND** on file with the Century Savings Bank Des Moines. Read the announcement in the introduction to this catalogue.

VEGETABLE FARM CROPS

Many of our best and most profitable farm crops are listed in this catalogue among the vegetables, and we have thought best to call our farmer friends' attention to them at this point, for fear they might be overlooked or not appreciated because they did not appear in the Farm Department.

Mangel Beets (see p. 7).—Are of special value to the stock feeder and produce enormous crops.

Carrots (see p. 10).—Are another root crop producing heavy crops and recommended to the horseman and dairy farmer.

Pumpkins (see p. 29).—Two crops on one field if you plant them in the corn. Seems like there are never enough in the markets.

Onions (see p. 24).—Always salable at profitable prices, for they can be sent to the market without loss or shrinkage.

Citron Melons (see p. 21).—Grown in dry sections in preference to pumpkins for stock feed; are used in same manner.

Pop Corn (see p. 17).—A field crop grown in hundreds of acres in northwest Iowa. A great market is now established for this product by the breakfast food manufacturers.

Parsnips (see p. 28).—A good farm crop, since they can be marketed either fall or spring and produce wonderfully.

Squash (see p. 33).—A profitable crop for the farmer near a market. Demand always good for the large late varieties.

Turnips and Ruta Bagas (see p. 36).—Recognized as the field crop of all others to occupy the waste spots and produce feed after the planting season for other crops is past.

COW PEAS

There is as much difference in the grading of cow peas as in clover, and we handle only the choicest grade. You may have cow peas offered for a few cents less per bushel, but we are certain you will not be able to get better value for your money than we offer.

NEW ERA.—The earliest variety of Cow Peas in existence and therefore most decidedly the best for growing in the northern states. Particularly recommended for planting after grain harvest and plowing under in fall. If you will get the grain off the ground early and plow and plant to New Era Cow Peas you can put the ground in fine shape for next year's crop. You will not have to haul manure on land so treated. Sow in orchards and use either for feed or soiling. Every farmer can use them profitably as the New Eras mature in 60 days and have done well as far north as Minnesota. Pkt. 5c, lb. 25c, 3 lbs. 65c, postpaid. By freight, pk. \$1.00, bu. \$3.50, 5 bu. or more at \$3.25 bu.

WHIP-POOR-WILL.—The most highly valued plant in the south for fodder and reclaiming old and worn out land, as it is a leguminous plant of special merit as a fertilizer. The vines when fed green make the best fodder and are very nourishing. The Whip-Poor-Will is the most popular sort and yields a good crop of both fodder and peas. When ripened the ground peas make the best cattle fattener. Pkt. 5c, lb. 25c, 3 lbs. 65c. By freight, pk. \$1.00, bu. \$3.50, 5 bu. or more at \$3.25 per bu.

WHITE CANADA FIELD PEAS

For northern states there is no crop of greater value than Field Peas, and none is more neglected, which can only be attributed to a lack of knowledge as to their merits as a fodder, being very rich in the elements that improve the muscle, bone and nervous system. Sow as early as the ground can be worked, using two bushels of peas and two bushels of oats per acre. Cut when the oats are in the milk and cure for hay. Especially valuable to the farmer who has not enough meadow land. Pkt. 5c, lb. 25c, 3 lbs. 65c. By freight, pk. 60c, bu. \$2.90, 5 bu. or more at \$2.75 per bu.

SOJA OR SOY BEANS

Coffee Berry—Also called Soy Bean.

IMPROVED YELLOW.—A splendid soiling and hay crop, preferred by many planters to Cow Peas as they stand up better and are easier to harvest for hay or silo uses. The great value of this crop lies in the fact that they fertilize the soil like clover; the ground peas are equal to linseed oil meal for feeding value; while as hay for silo it is equal to or better than clover. This variety will mature in all parts of the corn belt and in the middle states has been grown over 4 feet high, heavily podded with seed, producing ten tons of feed per acre. The Iowa Agricultural College at Ames uses Soy Beans in building up the soil, planting in late May or June and plowing the crop under in fall. Pkt. 5c, lb. 30c, 3 lbs. 60c, postpaid. By express or freight, not prepaid, pk. \$1.00, bushel (60 lbs.) \$3.50, 5 bu. or more at \$3.25 per bushel.

IMPROVED PROLIFIC TREE BEANS

Also called California Wonder. Undoubtedly the most prolific bean grown, and it will yield a larger crop under ordinary circumstances than any variety we have ever seen. On our farm it yielded a crop of 41 bu. per acre. Beans pure white, small size, resembling the "Navy." Pkt. 5c, ½ pt. 12c, qt. 35c. By frt., pk. \$1.25, bu. \$4.00.

IMPROVED NAVY BEANS OR BOSTON PEA BEANT

A wonderful improvement over the old-time Navy Bean and superior to Michigan pea bean. Makes a very desirable farm crop, especially in the far north. Pkt. 5c, ½ pt. 12c, qt. 35c, postpaid. By frt., pk. \$1, bu. \$3.75, 2 bu. or more at \$3.50.



PLANT OF PROLIFIC TREE BEAN

FIELD AND COW PEAS ARE EQUAL TO CLOVER FOR BUILDING UP THE FERTILITY OF THE SOIL



ROSE OF THE NORTH

ROSE OF THE NORTH

An improvement on the old Early Rose which has been grown on the virgin soil of the far north. It is very early, being only a trifle later than the Early Ohio and much larger. Is smooth and of handsome rose color. Quality superb, either baked or boiled, and yields immensely. Keeps sound well into spring. Pk. 60c, bu. \$2.00, 5 bu. or more at \$1.75 per bu.

SEED POTATOES

"The Proof of the Potato is in the Eating"

PRICES on potatoes frequently change as the market advances or declines. If you want a quantity write us for special quotations. : : : :

Potatoes have proven a most profitable crop for several years. Market prices have ranged from 75 cents to \$1.00 per bushel for ordinary eating stock during winter and spring and at such prices there is no field crop will yield better returns for the land and labor used in the growing. Last year the demand was heavier than we could supply, but this season we have a very heavy stock of extra fine tubers, northern grown, and we believe we shall be able to meet all demands with choice seed carefully sorted and stored under condition that does not weaken the germ.

With no other seed is the importance of change more essential than with potatoes, and by using our northern grown seed you are assured of **early maturity, increased yield and vigorous growth.** The following varieties are, we think, the best and most satisfactory sorts for growing in Iowa and other states of the same latitude. Most of our seed potatoes are grown in Minnesota or the Dakotas and are of superior quality. Order early as possible and we will ship as soon as weather permits. Prices are subject to important market changes, and we will advise you upon receipt of order if prices have advanced or declined.

A PLANET JR. NO. 8 HORSE HOE is the best machine for cultivating the potatoes. You can do all the work but the planting with this tool, and do it with ease and satisfaction. : : : :



FANCY NORTHERN GROWN EXTRA EARLY OHIO (Grown in Red River Valley)

EXTRA EARLY OHIO
Fancy Northern Grown Stock

For several years past we have been having these grown in the noted Red River Valley, about 400 miles north of Des Moines, and careful tests have proved them to be fully ten days earlier than the Iowa grown stock. This is a great advantage to the gardener, and puts this variety at the head—the most popular of all. They are all of good, average size, strictly pure, smooth and free from scab or rot, and outyield the other early sorts. It is an especial favorite with marketmen, and the most profitable potato they can grow. The sprout is very strong and the vines grow erect, making it easy to cultivate, and on account of its early maturity you can get the highest market prices. They will keep firm till late in the spring. This variety is frequently sold under the name Extra Early Six Weeks. This is our specialty in standard varieties. Also desirable for late planting as they keep well for winter and spring use. Pk. 65c, bu. \$2.00, 5 bus. or more at \$1.75 per bu.

EARLY OHIO
Grown in Iowa

These were originally from our choice northern grown stock. Have been kept pure and are really good. They have been grown a year or two in this state and it is possible they are a few days later in maturing, and will not be quite so good as the fancy northern grown stock, but they are as fine as can be found in Iowa and can be grown for market with profit as the cost for seed will not be excessive. Pk. 50c, bu. \$1.75, 5 bu. or more at \$1.60 per bushel.

POUND PRICES.—All varieties, except where quoted, 25c per lb., 3 lbs. 60c, postpaid. Read T. E. Terry's new book, "A B C of Potato Culture." Price 50c, postpaid.

WHITE PLUME

It is not an extra early sort, but is really a second early and main crop variety. We were, however, surprised at the great yield, as it **averaged 300 bushels per acre** for us with ordinary culture. We can therefore recommend it for main crop or to follow the Early Ohio for summer selling. It is strong and vigorous, full of vitality and promises to become a most valuable variety. Cooks fine and mealy, bursting open; a fine white when boiled. Pk. 65c, bu. \$2.00, 5 bu. or more at \$1.75 per bu.



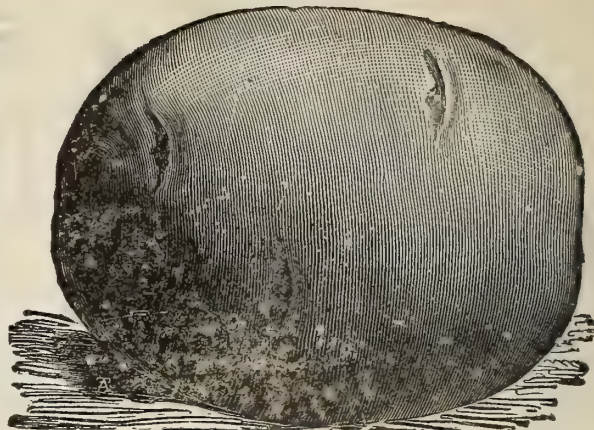
WHITE PLUME

SLUG SHOT IS CHEAP AND WILL KILL POTATO BUGS. BETTER ORDER SOME WITH YOUR POTATOES

CARMAN NO. 3.—This handsome main crop potato is of large size, yielding immense crops of uniform size and shape. It is of perfect form, almost every potato being of same size and shape, and averaging nearly one pound each in weight, in good seasons. It has but few eyes and they are shallow, the skin and flesh are extremely white and its cooking qualities are very fine. It is a remarkably handsome potato, enormously prolific, and will please all potato growers. Keeps well. Pk. 50c, bu. \$1.60, 5 bu. or more at \$1.50 per bu.

RURAL NEW YORKER NO. 2.—One of the largest yielding varieties in existence. Large and unusually smooth, with few and shallow eyes, skin white as is also flesh, which is of superior quality. Medium late and the best drouth resister. There is no other potato of more handsome appearance than the Rural New Yorker. Although it is a large yielder it grows but few and small vines. It is very hardy and will stand the heaviest manuring without getting scabby or spotted. For this reason it is one of the most desirable varieties for farmers and potato growers near large cities to grow for main crop for market. Under ordinary circumstances they will yield from 300 to 400 bushels per acre and by heavy manuring this yield can be almost doubled. Pk. 50c, bu. \$1.60, 5 bu. or more at \$1.40 per bu.

BURBANK.—An old standard main crop variety which is very popular because of market demand and heavy yields. Satisfies both the grower and the consumer. Tubers are large, oblong and have fairly deep eyes. Color white, quality excellent, cooking very mealy and of attractive whiteness that



CARMAN NO. 3

pleases. It is the standard market potato in most of the potato growing districts and contends with Rural New Yorker and Carman for first place. Our seed is good and we offer it believing it will give results. Pk. 50c, bu. \$1.60, 5 bus. or more at \$1.40 per bushel.

BONANZA.—A potato which is popular where known. The tubers are shaped very much like Carman but are somewhat more flattened on the sides. Color is pink or light red when harvested, changing a duller shade when thoroughly matured. Tubers are medium to large in size and will produce abundantly. While the Bonanza is a main crop potato it should be planted comparatively early to get best results. Planted in May it will mature early in the fall and there will be no trouble in keeping them through the winter without loss from rot or immaturity. We have never lost Bonanzas in winter storage, while many times other late varieties have gone down because of not being sufficiently ripened at digging time. It is quality, however, that recommends this variety, as where it is known it is preferred to all other sorts for its mealiness and fine flavor. We do not believe it is possible to cook a Bonanza to be "soggy." Pk. 50c, bu. \$1.60, 5 bu. or more at \$1.40 per bushel.

HYBRIDIZED POTATO SEED.—Potato seed from the flower boll (the true seed). It is from such seed that the choice new varieties of potatoes are originated. The result is interesting and often very profitable, and you are just as apt to obtain a choice new variety as an experienced potato specialist. Pkt. 10c, 3 for 25c.



A FIELD OF BONANZA

I received the sweet potato plants in very good condition. I did not believe you could send me plants to Texas so fresh and nice.—Chas. Schubert, Lexington, Texas.

I have received the sweet potato plants. They were so nice and green that we are very much pleased.—Mrs. A. Pearson, Denison, Iowa.

The potatoes you shipped me are the nicest I have ever seen in size, smoothness and purity.—Geo. M. Graff, Orleans, Ill.

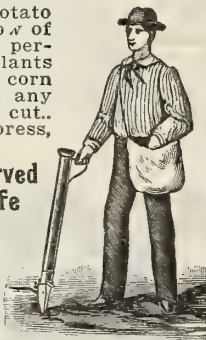
EUREKA POTATO PLANTER

The best hand potato planter that we know of as it does the work perfectly. It also plants beans and seed corn equally as well as any corn planter. See cut. Price \$1.25, by express, not prepaid.

Concaved and Curved Seed Potato Knife

It is thin and of the right shape to cut 1, 2 or 3 eye pieces fast and not crack the tuber, nor injure germ.

Each 35c, post-paid.



EUREKA POTATO PLANTER



CONCAVED AND CURVED POTATO KNIFE

Many people hesitate to grow sweet potatoes, believing that a great deal of extra work is necessary to produce the crop. The only extra work connected with it is in the production of plants and if you are not prepared to grow these yourself they can always be purchased at a reasonable price. It is not, however, difficult to grow plants and if you desire information on this topic ask for our circular "How to Grow Sweet Potatoes" and we will be glad to mail it to you free. About the only difference in the field culture is that the ridges are made for sweet potatoes before setting out the plants. The only secret is to keep them free from weeds and the ground mellow. After the vines begin to run they will keep down the weeds themselves. A light, sandy soil is best.

The seed sweet potatoes which we offer are grown, stored and handled especially for seed purposes. They are not cold storage stock on which the germ has been killed but are fresh and vigorous. It is absolutely necessary that they be handled quickly in spring as they do not keep well after being taken from the storage bins. We cannot guarantee them to all be sound upon arrival and we try to protect our customers by prompt service. For this reason we hold the potatoes until the weather is settled and then fill all orders at once so as to get them to our customers promptly. We usually ship from April 12th to 20th and notify our customers when we start them. Prices are subject to change of market, and we will be pleased to quote firm prices in March. Your order will be filled at ruling prices on date of shipment and you will be advised should the price advance or decline before April 10th.

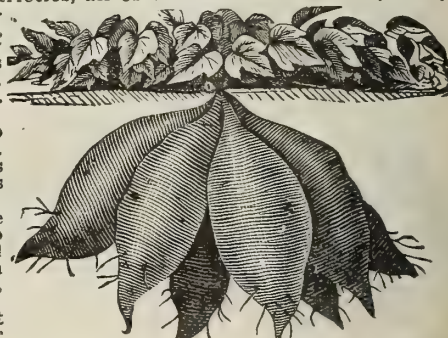
It does not pay to buy sweet potatoes in small lots. Better buy the plants unless you will need more than 1,000. See page 38 for price of plants.

EARLY YELLOW JERSEY.—An improvement on the Yellow Nansemond. In spite of the many so-called new varieties, all of which we have tested, Early Jersey holds the first place. The earliest and most productive; of large, short chunky shape and of the very best quality. It will probably always remain the most popular market sort. Peck 60c, bushel \$2.00, barrel \$4.50. Ask for price in quantities.

RED JERSEY.—Similar in shape to our Yellow Jersey, but dark red color. Do not rot so quickly as the other kinds and are preferred by many. Quality is excellent. Pk. 75c, bu. \$2.25, bbl. \$5.50.

WHITE SOUTHERN QUEEN.—These are the large "Yams" which are so popular in the south. Even the seed potatoes are monster size and often weigh several pounds each. Peck 75c, bushel \$2.20, barrel \$5.00.

Any of the above varieties of sweet potatoes by mail, postpaid, at 35c per lb., 3 lbs. \$1.00.



EARLY YELLOW JERSEY.

SEED SWEET POTATOES

PRICES SUBJECT TO CHANGE OF MARKET.



NEW CROP, RECLEANED, TESTED GRASS SEEDS

OUR IOWA SHIELD BRAND GRASS SEEDS

Now have a national reputation and are shipped to every part of the country where grasses grow. Our Iowa Shield Brand of Clover, Timothy and other seeds is strictly new crop of exceptional purity and has been thoroughly re-cleaned on the best electric seed cleaning apparatus made. It is plump, nice seed, carefully tested and proven to be of strong germinating qualities. These we have thoroughly re-cleaned, tested and carefully inspected under the microscope for foul weeds, and to distinguish them from all ordinary grades, we call our best grade the "Iowa Shield Brand." It is shipped in sealed and branded bags. It is sure to produce vigorous, healthy plants and an exceptionally good crop if the weather and soil conditions are not unfavorable. It pays to sow the best seeds obtainable and our Iowa Shield Brand is, we are sure, superior to any other.

Is our Iowa Shield Brand really worth the difference in price? Take Medium Red Clover, for instance, and compare values:

Grades.	Price Per Bu.	Sow Per Acre.	Cost Per Acre.
Iowa Shield Brand.....	\$14.00	10 lbs.	\$2.33
Iowa Standard Brand.....	13.00	12 lbs.	2.60
Ordinary Grade	11.50	15 lbs.	2.88
Low Grade	9.00	25 lbs.	3.75

Our Iowa Standard grade clover, timothy and other seeds is really a choice grade, fully up to requirements of the Iowa Pure Seed Law in purity and vitality, and is, we believe, as good seed as you could obtain from most dealers, but it is not equal to our Iowa Shield Brand.

You Run No Risk when you purchase our "Iowa Shield" Clover and Grass Seeds, for if not satisfactory on receipt and examination you may return them and money paid will be refunded. You can also test them yourself if you desire. We do not guarantee them to grow or produce a perfect crop as we have no control over the manner of sowing or weather conditions but do our best to have everything first class.

Write for prices. They change constantly and we cannot make a price which will be invariable. We issue a price list each week from January to June. If you are in a hurry order seed and we will send full value of money received on day order arrives. We pay postage at the 1 and 3 lb. rate only. If you want pound lots by express deduct 10c per lb. from price quoted. Large quantities shipped at purchaser's expense. Trial packets 5c each.

TIMOTHY

We make a specialty of supplying the choicest timothy direct to farmers. No variety of our natural grasses is more cultivated than timothy, and for meadows it is very valuable. It is best suited to moist, rich, strong and loamy soils where it grows to perfection, but does not succeed as well on dry, sandy soil. It is very nutritious, and makes good hay, but should be cut at the time of flowering. We are located in the best section of the country for growing timothy seed and more of it is grown in Iowa than in any part of the world.

There is not more than one field of timothy in a hundred which produces our Iowa Shield grade. It is very bright in color, but little hulled, almost absolutely free from impurities and of high vitality, and therefore requires only about 8 lbs. of seed per acre. Per lb. 25c, 3 lbs. 60c, postpaid. Ask for price in quantity.



TIMOTHY



IOWA SHIELD
BRAND

No seed firm in this country takes greater pains and care in the purchase and sale of grass seeds handled than do we, and none have experts of greater knowledge or better judgment. The men in charge of buying, cleaning and grading have all had more than twenty years' experience in our own establishment. We also have the latest and best cleaning machinery and thus equipped we are in position to furnish and do furnish the very highest possible quality in this line. No expense is spared either in purchase price or handling to keep up the quality; and of course it costs a little more, but when you see a field of grass, free from weeds, of strong and vigorous growth, you will realize that quality is and should be of greater concern than price.

CLEAN SEEDS

Few persons can detect impurities in grass seeds unless the seed is very foul. Frequently our farmer friends have watched the re-cleaning of timothy or clover seed by our machines, and noting the impurities, taken out, have wondered where they came from, as the seed seemed without dirt or trash before cleaning. Other seed dealers who have happened to be in our warehouse when we were cleaning clover, have often remarked that the seed looked so extra nice they should not re-clean it. From these same lots of seed we were cleaning out three to five pounds per bushel of trash, sand and shrunken clover seed. This makes quite a difference in real value and our seed is really worth \$1.00 to \$2.00 per bushel more than that obtained from most dealers. The Nebraska Experiment Station tested clover seed from the leading seed firms of the country, and our seed stood highest for purity of any west of Pennsylvania, and with one exception, the highest of any in the United States.

A WARNING: During the past few years impure and adulterated clover containing the most noxious weed seeds have been imported from Europe, Canada and Chili and shipped to the farmers of this state. In some cases where samples have been sent to the Department of Agriculture reports show that the seed contained Canada Thistle, Dodder, Wild Mustard, etc., and farmers burned the seed instead of sowing it.

KENTUCKY BLUE GRASS

Fancy Cleaned.—Very valuable and popular as a permanent pasture grass. Productive and unusually early in spring, furnishing delicious food for all stock. Unexcelled for lawns. Our seed new crop, Kentucky grown. Sow 14 lbs. per acre for pasture, or 60 to 100 lbs. for lawns. Lb. 35c, 3 lbs. \$1.00, postpaid. By frt., (14 lbs.) \$2.35, 5 bu. or more at \$2.10.

"IOWA SHIELD" KENTUCKY BLUE GRASS.—We pride ourselves on this extra choice grade, which is of such unusual purity and high germination that it is of special value for lawns. Lb. 40c, 3 lbs. \$1.10, postpaid. By frt., bu. (14 lbs.) \$3.00.

ITALIAN RYE GRASS

Annual variety; will give a large crop first year. Sow 20 lbs. per acre. Lb. 30c, 3 lbs. 75c, postpaid. By freight, per bu. (14 lbs.) \$1.85, 5 bu. or more at \$1.70 per bu.

PERENNIAL RYE GRASS

Or English Rye Grass.—A nutritious permanent grass for meadow or pasture or mixing with other grasses for lawn. Well adapted for permanent meadows; yields large quantities of very nutritive hay. Sow 20 lbs. per acre. Lb. 30c, 3 lbs. 75c, postpaid. By freight, bu. (14 lbs.) \$1.75, 5 bu. or more at \$1.60 per bu.



BLUE GRASS

WE MAKE NO EXTRA CHARGE FOR BAGS TO HOLD TIMOTHY, CLOVER AND OTHER GRASS SEEDS

GRASS SEEDS==Continued

ORCHARD GRASS.—A valuable grass for pasture or hay land, and on account of its earliness very valuable for permanent pastures. It furnishes the first green bite in the spring and the last in the fall, and is quick to recover from close cropping, and even thrives better the more it is cropped. Suited to shady places, orchards and groves. Sow 15 lbs. per acre. Per lb. 40c, 3 lbs. \$1.10, postpaid. By frt., bu. (14 lbs.) \$3.40, 5 bu. or more at \$3.25.

MEADOW FESCUE, or English Blue Grass.—Succeeds well in almost all soils, from high, dry land to moist, standing the heat excellently. It is valuable as a pasturage grass, being one of the earliest in the spring and latest in the fall. It is very nutritious. Per lb. 60c, 3 lbs. \$1.50, postpaid. By freight, bu. (14 lbs.) \$3.50, 5 bu. or more at 3.25 per bu.

CREeping BENT GRASS.—Of special value for pasture and low ground. Starts early, deep rooted and valued for holding sloping ground of terraces. Sow 15 lbs. per acre. Per lb. 60c, 3 lbs. \$1.50, postpaid. By frt., bu. (14 lbs.) \$4.00, 5 bu. or more at \$3.85.

MEADOW FOXTAIL.—A fine grass for permanent pasture. Its growth resembles timothy. Sow 14 lbs. per acre. Per lb. 50c, 3 lbs. \$1.35, postpaid. By frt., bu. (14 lbs.) \$4.25, 5 bu. or more at \$4.10.

RED TOP.—A very hardy native perennial grass which succeeds best on moist land. It remains green for the greater part of the year. In the east it is one of their principal sorts, but it is not so highly valued here. Fancy cleaned or solid seed. Per lb. 40c, 3 lbs. \$1.00, postpaid. By freight, per bu. (14 lbs.) \$3.50, 5 bu. or more at \$3.35 per bu.

CRESTED DOGSTAIL.—For permanent pastures, especially on high land and hard, dry soils and hills; very hardy. Per lb. 60c, 3 lbs. \$1.50, postpaid. By frt., bu. (14 lbs.) \$4.75, 5 bu. or more at \$4.50.

BERMUDA GRASS.—Most valuable grass for the south; withstands heat and drouth wonderfully, and pasture and unsurpassed for lawns in the south, as it runs over the ground, forming a dense turf. Sow 8 lbs. per acre. Per lb. \$1.50, 3 lbs. \$4.00, prepaid; 5 lbs. or more, not prepaid, at \$1.20 per lb.

RED FESCUE.—For meadows or pastures on dry, hard or sandy soils. It is very hardy, a true perennial, growing about 1 to 2½ feet high. Per lb. 40c, 3 lbs. \$1.10, postpaid. By freight, per bu. (14 lbs.) \$3.75, 5 bu. or more at \$3.60 per bu.

HARD FESCUE.—Is emphatically a grass for dry lands, doing well on sandy and shallow silicious soils. It is exceedingly hardy and withstands extremes of heat, cold and drouth. Per lb. 40c, 3 lbs. \$1.10, postpaid. By freight, per bu. (14 lbs.) \$3.75, 5 bu. or more at \$3.65.

TALL MEADOW OAT-GRASS.—For hay or permanent pasture a most valuable grass. Successfully grown in all parts of the country. Grows tall, therefore desirable for meadow. Does not winter-kill. Per lb. 40c, 3 lbs. \$1.10, postpaid. By frt., bu. (14 lbs.) \$3.50, 5 bu. or more at \$3.35 per bu.

PRICES ON MILLET SEED

Will be quoted on application. Ask for copy of our Red Ink Price List of Farm and Grass Seeds when ready to buy.

MEADOW SOFT GRASS.—Although not of high feeding value, it is very valuable for low, soft, spongy places, where other grasses don't succeed. It is very productive, a hardy perennial. 18 to 20 inches high. Per lb. 35c, 3 lbs. \$1.00, postpaid. By frt., per bu. (14 lbs.) \$3.00, 5 bu. or more at \$2.80.

SWEET VERNAL.—Valuable on account of delicious perfume; when included in hay its aroma is imparted to other grasses, enhancing the value of the hay, and making it relished by stock. Annual. Per lb. 35c, 3 lbs. \$1.00. By frt., bu. (14 lbs.) \$2.75, 5 bu. or more at \$2.60 per bu.



SHEEP'S FESCUE

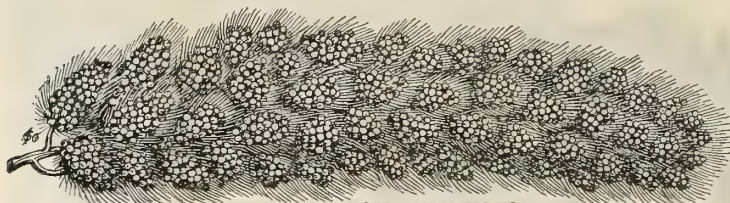
SHEEP'S FESCUE.—Is suited to light, sandy soil, and dry uplands or hill-sides. It is deep rooted, and not affected by extreme drouth. Sheep are especially fond of it. Sow 14 pounds per acre. Per lb. 40c, 3 lbs. \$1.10, postpaid. By freight, per bu. (14 lbs.) \$3.75, 5 bu. or more at \$3.65 per bu.



MEADOW FESCUE

RHODE ISLAND BENT.—Used for particularly close, heavy turf. Lb. 60c, 3 lbs. \$1.50, postpaid. By frt. bu. (14 lbs.) \$4.50.

WOOD MEADOW GRASS.—Invaluable for wooded pastures or shaded ground, and should be in all mixtures for permanent pastures, especially in shady places. Sow 20 pounds per acre. Per lb. 65c, 3 lbs. \$1.80, postpaid. By freight, per bu. (14 lbs.) \$7.50, 5 bu. or more at \$7.35.



GERMAN MILLET

MILLET

There is nothing like millet to cover up shortage in your hay crops. Can be sown in the middle or end of July and makes a valuable catch crop. This catalogue is printed six months in advance of sowing season, so we do not try to quote prices on large lots.

GERMAN MILLET.—Matures about two weeks later than common millet. It grows 4 to 5 feet high, yielding an abundance of leaves; heads closely condensed; spikes very numerous; seeds round, golden yellow, in rough sheaths. Sow one bushel to the acre. Our "Iowa Shield" brand will be desirable. Per lb. 20c; 3 lbs. 50c, postpaid.

IOWA SHIELD GERMAN MILLET.—This is an extra fancy grade of the true southern grown German Millet of the Tennessee or cultivated strain. The seeds are round and "shotty." The heads are very large, borne on a strong, vigorous, very leafy plant and produces a much heavier crop than the ordinary stock. Per lb. 25c, 3 lbs. 60c, postpaid.

COMMON MILLET.—Best quality. Preferred by some to German as it does not grow so rank and coarse. Makes a better quality hay, but will not produce so heavily. Requires strong, rich ground for best results. Per lb. 20c, 3 lbs. 50c, postpaid.

SIBERIAN MILLET.—Frequently called Red German Millet. Resembles German Millet in manner of growth and productiveness. Earlier and seed is mixed red and yellow. Per lb. 20c, 3 lbs. 50c.

HUNGARIAN.—Popular in some sections. Sometimes preferred to millets, as it is thought to be less dusty. Per lb. 20c, 3 lbs. 50c, prepaid.

JAPANESE MILLET.—(*Panicum crus-galli*.)—A distinct variety called by one seedsman the "Billion Dollar Grass." Especially valuable for the north. Yields an enormous crop of forage, which is greatly relished by stock. When cured makes an excellent hay. Per lb. 30c, 3 lbs. 75c, postpaid.

MANITOBA MILLET.—Hog or Broomcorn Millet. Best for withstanding drouth. Two weeks earlier than German. Per lb. 20c, 3 lbs. 50c, postpaid.

PEARL MILLET.—Entirely different from ordinary millet; an immense fodder yield, of tall growth, highly recommended by the U. S. Dept. of Agriculture for the south. Sow in May for best results in the north. Pkt. 5c, lb. 25c, 3 lbs. 70c, postpaid.



TALL MEADOW-OAT



SWEET VERNAL

CLOVER SEED

The clovers are beyond comparison of the greatest importance to agriculture, not only on account of their great value for pasture and hay production but because their cultivation adds so greatly to the fertility of the soil, enriching it in nitrogen and restoring it when exhausted by frequent cropping. It is impossible to secure the best results from any farm without clover and therefore the main question to decide is which variety will be best adapted to your purpose and do the best on your land. All plants need nitrogen, but only a few kinds, such as clover (all varieties), peas and beans, have the power of collecting nitrogen from the air and storing it in their roots, so, no matter if you cut two or more crops of hay per year the nutriment in the roots adds immensely to the fertility of the soil. Iowa grown clover is excellent this year and we have a quantity of new crop, plump, clean seed of high vitality which would please you. **Ask for our SPECIAL CLOVER CIRCULAR and prices when ready to buy.**



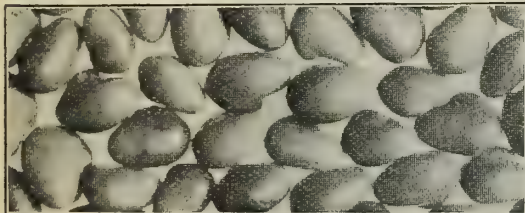
MEDIUM OR COMMON RED CLOVER

"Iowa Shield" and "Iowa Standard," our Famous Specialties

We sell more clover seed direct to farmers than any seed firm in the West, and it is all sold because those farmers get better quality of seed,—brighter, cleaner, more plump and vital—than they can secure elsewhere. The reason is that we take special care to have everything first class and protect our customers by using the microscope in both buying and selling.

Our clover seed has become widely known for its purity, strong vitality, hardiness, vigorous and healthy growth, and stooing qualities, so that now we receive many orders

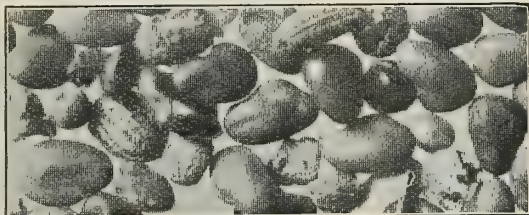
from the most distant parts of the United States. Well posted farmers appreciate the difference between it and ordinary stock. This is the most important of all clovers and the standard everywhere for hay and pasture and our "Iowa Shield" grade is the plumpest, cleanest, purest, fanciest grade; tested and of high vitality. Farmers usually sow 15 to 20 pounds of clover seed to the acre when sown alone, but this seed is so choice that 6 or 7 pounds is really sufficient if conditions are favorable, but we recommend sowing 10 pounds so as to be sure of a perfect stand. About 5 pounds, if sown with timothy. Per pound, 40c, 3 pounds \$1.10, postpaid. Ask for price by bushel.



IOWA SHIELD BRAND CLOVER

Notice the plump, perfect shaped grain and freedom from weeds. You cannot secure better seed, no matter what you pay for it, and it costs but little more. It always pays to sow the best.

Market changes constantly and this part of the catalogue goes to press in November. It is impossible to name price at which clover seed will sell in spring. We therefore quote price only in small lots.



ORDINARY CLOVER

As it comes from the huller, full of weed seeds, trash and sand. If you buy low grade seed, you not only risk filling your land with weeds, but you are also paying for each pound of weed seed and trash.

MAMMOTH RED CLOVER

This is also called Sapling or Pea Vine Clover. It greatly resembles the Medium Red but grows coarser and more vigorous. It is the best clover for pasturage as it will produce an enormous yield and is of the highest feeding quality but not as desirable for hay. Specially desirable for hog pasture. You can enrich your soil more cheaply by sowing Mammoth Clover and plowing it under than in any other way. Per lb. 40c, 3 lbs. \$1.10, postpaid. Ask for price in quantity.



ALFALFA

American Grown Seed. Supreme in Quality.

In many sections of the country Alfalfa is most important of all forage plants, and its zone of production is rapidly spreading over the entire United States. It cannot take the place of other clovers as a part of short crop rotation, or as a quick restorer of fertility to the soil, but as a permanent meadow it will be found superior to timothy and clover as commonly used because of cheapness of production. One seeding will stand for twenty years and many fields are still producing at a much greater age. Will grow on the thinnest sandy soil and will produce far more in dry seasons than other grasses. Per lb. 40c, 3 lbs. \$1.10, postpaid. Ask for price in quantity.

TURKESTAN ALFALFA

This variety was introduced by the U. S. Dept. of Agriculture a few years ago, since which time the importation of the seed has grown to great volume. It gives excellent satisfaction in the West, as it is more hardy than the ordinary variety and is specially adapted to semi-arid regions where irrigation is not possible. Per lb. 40c, 3 lbs. \$1.10, postpaid. Ask for price in quantity.

ASK FOR FREE CIRCULAR, "HOW TO GROW AND USE ALFALFA IN THE CORN BELT."

SPECIAL PURPOSE CLOVERS

Ask for our Special Circular on Clovers.

ALSIKE CLOVER

Unequalled for hay and we cannot too strongly recommend it to our customers. It is hardy even in northern Minnesota, and is the only variety which will produce a good crop and not kill out in low, wet land. The hay is finer and better than any other, therefore of special value for sowing with timothy. Height 18 to 24 in., and has round pink or flesh colored heads. Seed small and requires only about 7 pounds per acre or half that quantity if sown with timothy. Per lb. 40c, 3 lbs. \$1.10, postpaid. Ask for price per bushel.

SWEET CLOVER

BOKHARA.—(Melilotis Alba.)—The white-flowered variety frequently seen growing wild along the roadsides. Many farmers are using this as a pasture clover, claiming it to be equal to alfalfa and superior to common red clover for this purpose. Per lb. 40c; 3 lbs. \$1.10.

YELLOW.—A small annual variety used for quick pasture, for inoculating the soil for alfalfa and for bee pasturage. See page 42 for further description. Sow 10 lbs. per acre. Per lb. 40c, 3 lbs. \$1.10. Ask for price in quantity.

WHITE DUTCH CLOVER

Desirable in pasture mixtures. Also used largely for lawns. Hardest of any clover. Creeping habit. Desirable for terraces and sloping grounds. Our "Iowa Shield" grade is extra bright and fine. Sow 5 lbs. per acre. Per lb. 70c, 3 lbs. \$2, postpaid. Ask for bu. price.

CRIMSON CLOVER

Also called **Giant Incarnate.**—An annual variety. It commences to grow after cutting and continues until severe freezing weather and makes good hay. Sow in April or May, 20 lbs. per acre. Winter kills in this latitude. Desirable for soiling. Per lb. 35c, 3 lbs. \$1, postpaid. Ask for quantity price.

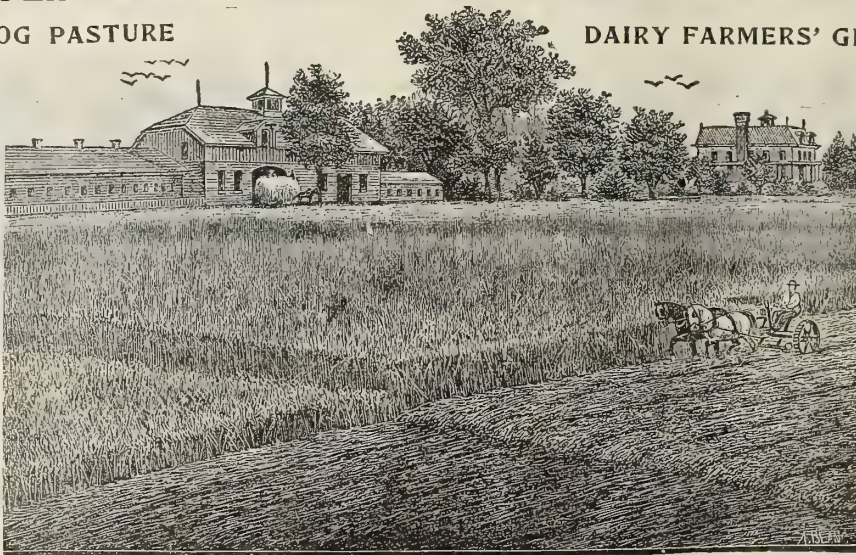
SANFOIN CLOVER

Called also **Esparettie Clover.**—A little known variety of special value for light, dry, sandy or limestone soils. Is a good fodder plant. Usually sown with oats or barley, using 30 or 40 lbs. of seed to an acre. Per lb. 35c, 3 lbs. 90c, postpaid. Ask price per bushel.

PERMANENT PASTURE AND MEADOW MIXTURES

PERMANENT HOG PASTURE

Ready to use the first year and many years thereafter. Will fatten the hogs quickly and keep them in good health. Much superior to a corn diet for them and helps keep hog cholera and similar diseases away. It contains Perennial Rye Grass, Orchard Grass, Italian Rye Grass, Clover, Timothy, Red Top, etc. This has proven very popular with all our patrons who have used it and we believe it is far more valuable to hog raisers than ordinary pastures. On any ordinary soil sow 15 lbs. per acre. Per lb. 35c, 3 lbs. \$1.00, prepaid. By frt., per bu. (15 lbs.) \$3.00, 3 bu. or more at \$2.85.



OUR MEADOW MIXTURE COMPARED WITH ORDINARY GRASS CROP

PERMANENT MEADOW MIXTURES

Will make the best quality hay as the mixture contains such grasses as produce a heavy growth and mature together. We send out the No. 1 mixture when not otherwise ordered as it is adapted to the medium or average soils. Sow about 22 lbs. (1½ bu.) per acre; or for top seeding 10 to 15 lbs.

NO. 1—FOR MEDIUM SOILS.—Contains Meadow Fescue, Perennial Rye Grass, Italian Rye, Orchard Grass, Tall Meadow Oat, Timothy, Red Clover, Alsike, Sweet Vernal, etc.

NO. 2—FOR HIGH, DRY LAND, LIGHT OR GRAVELLY SOILS.—Contains Sheep's Fescue, Alfalfa, Hard Fescue, Perennial Rye Grass, Meadow Fescue, Timothy, Kentucky Blue Grass, Sweet Vernal, etc.

NO. 3—FOR HIGH, DRY LAND, HEAVY OR CLAY SOILS.—Contains much the same as above with the addition of Orchard Grass, Crested Dogtail and Bromus.

NO. 4—FOR MOIST AND RICH SOIL, OR LAND SUBJECT TO OVERFLOW.—Contains Water Meadow Grass, Meadow Foxtail, Perennial Rye Grass, Meadow Fescue, Red Top, Meadow Soft Grass, Alsike, Clover, etc.

NO. 5—FOR TOP SEEDING SWAMPS, MARSHES, ETC.—(Sow 10 lbs. per acre.) Contains much the same as above in different proportions.

PRICES:—Any of the above Permanent Meadow Mixtures, per lb. 35c; 3 lbs., \$1.00, postpaid. By freight, not prepaid, per bu. (15 lbs.), \$3.00; 2 bu. or more at \$2.85 per bu.

DAIRY FARMERS' GRASS MIXTURES

Dairy farmers particularly desire to take a crop of hay off the meadow and have the after-growth for pasture, and where the natural grasses are carefully selected with this object in view, this can be successfully done. This mixture covers the ground and furnishes grazing until late in the fall. It consists of Red Clover, Alsike, Orchard Grass, Rye Grass, Tall Meadow Oat, Meadow Foxtail, English Blue Grass, Kentucky Blue Grass, etc. Sow 20 lbs. per acre on ordinary soils. Per lb. 35c, 3 lbs. \$1.00, prepaid. By frt., per bu. (15 lbs.) \$3.25, 2 bu. or more at \$3.00 per bu.

PERMANENT PASTURE MIXTURES

Selected with a view to having a succession of grasses coming on constantly from the earliest spring through the dry summer weather, and through the fall. It is permanent and keeps improving year after year. Sow about 22 lbs. (1½ bu.) per acre, or for top seeding, half the amount.

NO. 6—FOR MEDIUM SOILS.—Contains Kentucky Blue Grass, Meadow Fescue, Perennial Rye Grass, Orchard Grass, Tall Meadow Oat Grass, Hard Fescue, Alsike Clover, White Clover, Timothy, Red Clover.

NO. 7—FOR HIGH, DRY, GRAVELLY SOILS.—Contains Sheep Fescue, Hard Fescue, Creeping Bent, Bromus Inermis, Crested Dogtail, Meadow Fescue, Timothy, Kentucky Blue Grass, White Clover, etc.

NO. 8—FOR HIGH, DRY, HEAVY OR CLAY SOILS.—Contains much the same as above, mixed in different proportions, with the addition of Alfalfa and Orchard Grass.

NO. 9—FOR MOIST AND VERY RICH SOILS.—Contains Perennial Rye Grass, Water Meadow Grass, Water Fescue, Meadow Foxtail, Orchard Grass, Meadow Soft Grass, Tall Meadow Oat Grass, Alsike, etc.

NO. 10—FOR ORCHARDS, WOOD PASTURES AND SHADY PLACES.—Contains Wood Meadow Grass, Kentucky Blue Grass, English Blue Grass, Meadow Foxtail, Sweet Vernal, Red Clover, Alsike, etc.

PRICES:—Any of the above Permanent Pasture Mixtures, per lb. 35c; 3 lbs. \$1.00, postpaid. By freight, not prepaid, per bu. (15 lbs.), \$3.00; 2 bu. or more at \$2.85 per bu.

LAWN GRASS SEED

*Thank God for Grass! No other Glory vies
Winn the refreshing glory of the grass;
Not e'en the blue of the o'er bending skies,
Nor fading splendors when daylight dies,
Can this sweet smile of living green surpass.*

It is then to plan for the best lawn obtainable. Do not spend money in sodding a lawn, for it is expensive and seldom satisfactory. When sod is cut from the roadside or some out of the way pasture, it is poor in quality and full of weeds, and when unevenly laid produces a rough surface which disfigures the lawn. It costs much less to sow the seed and the lawn is far better. Ask for circular.

"How to Make a Lawn."

EVERGREEN MIXED LAWN GRASS SEED.—This is a mixture of the best varieties of grass seeds suited for growing together in the central and northern states and will make a beautiful, soft, velvety lawn, as handsome green as an emerald and is formed of grasses which keep green from early spring all through the hot, dry summer weather, until late in the fall. It comes up quickly (in about two weeks after seed is sown) and after once up it soon spreads to cover the ground and is ready for the lawn-mower in six or eight weeks. It is permanent, maintaining its beauty for a lifetime, though it is a good plan to give a lawn a top-seeding once every two or three years. Made by us from new crop, reclaimed pure seeds. Per lb. (will sow 400 square feet), 45c; 3 lbs. \$1.20, postpaid. By freight, per bu. (15 lbs.), \$3.60; 5 bu. or more at \$3.40 per bu.

TERRACE LAWN MIXTURE.—It is sometimes difficult to get a good sod on sloping ground, terraces, side hills or on embankments. This is a mixture of such grasses as have strong and spreading roots, making a close turf which heavy rains cannot wash out easily. On new lawns sow some oats also to prevent washing until grass gets a start. Per lb. 50c; 3 lbs. \$1.35, postpaid. By frt. per bu. (15 lbs.) \$4.25.

SWEET VERNAL.

—A very fragrant grass and everyone should sow a little of it in mixture with other kinds as it exhales a pleasant aroma when lawn is cut. Per lb. 40c; 3 lbs., \$1.10, postpaid.

WHITE CLOVER, "Iowa Shield" Brand.—The well known common white clover is very hardy and its dwarf growth makes it desirable for lawn mixtures. Its close, dense turf and creeping habit make it desirable for terraces and sloping ground. Seed is very small and requires but little in mixtures. Lb. 70c; 3 lbs. \$2.00, postpaid.

KENTUCKY BLUE GRASS, "Iowa Shield" Brand.—Our stock of this is the best grade of fancy cleaned, new crop, tested seed. The crop is very good, but prices may advance before spring. Lb., 40c; 3 lbs. for \$1.10, prepaid. By frt., per bu. (14 lbs.), \$3.00; 5 bu. or more at \$2.85 per bushel.

CENTRAL PARK LAWN GRASS.—A very fine mixture for lawns, but it is of special value for parks and around country homes where it is not convenient to mow the lawn frequently. It contains some fragrant grasses which give out a delightful odor both when growing or when cut. It is the grass for country homes, parks and large estates and for this purpose sow about 50 lbs. per acre. Per lb., 40c; 3 lbs., \$1.10, postpaid. By freight, bu. (15 lbs.), \$3.25; 5 bu. or more at \$3.10 per bushel.

SOUTHLAND MIXTURE.—In the southern states there is frequently trouble to secure a lawn. This mixture is made of Southern Blue Grass, Bermuda Grass and other varieties adapted to a hot, sunny climate. Together they make a nice bright lawn the year around. Per lb., 60c; 3 lbs., \$1.50, postpaid. By freight, per bushel (15 lbs.), \$5.25.

PEERLESS LAWN FERTILIZER.—Lawn grass is a voracious feeder and will not thrive and hold its beautiful dark green color and velvety appearance unless it is suitably fed. Our Peerless Lawn Dressing is prepared specially for lawns, is of best quality, dry, finely pulverized, easy to apply. Possesses in highest degree and concentrated form the constituents best calculated to nourish grass, promote luxuriant growth and the dark green color so admired. Not only the most perfect lawn dressing devised, but the most pleasant to handle, being practically non-odorous. In preparing a new lawn, sow 10 to 30 lbs per 1,000 sq. ft. of surface, according to richness of soil, raking in thoroughly. For top dressing on lawns, use about 40 lbs. per 1,000 sq. ft. of lawn or 1,000 lbs. per acre, early in spring. Price 10 lb. pkg., 60c; 25 lb. \$1.00, 50 lb. \$1.75; 100 lbs. \$3.00; 500 lbs., \$14.00.

SHEEP MANURE.—This is a natural manure. Is unadulterated and has far more fertilizing value than the packing house products. If wanted to use in liquid form, dissolve at the rate of 1 lb. to 5 gallons of water. Price, 10 lbs. for 50c; 50 lbs. \$1.25; 100 lbs. for \$2.25.

PURE BONE MEAL.—A splendid fertilizer for all purposes; specially nice for use on lawns, as it is clean, free from odor and gives results in added growth of grass. 10 lbs. 50c; 50 lbs. \$1.25; 100 lbs. \$2.25.



SHADY PLACE LAWN MIXTURE.—This mixture is a combination of fine dwarf-growing, evergreen varieties of grass which grow naturally in the woods or in shaded spots. They are mixed in proper proportions to make a fine lawn under shade trees. Sow seed thickly 1 lb. to 300 sq. ft. Per lb. 50c; 3 lbs. \$1.35, postpaid. By freight, bu. (15 lbs.), \$4.25.

GOLF LINKS

MIXTURE.—Mixture of fine grasses which liberally sown will produce a fine green sward. They grow vigorously when cut closely, form a fine mass of interlacing roots, and also differ in their seasons of maturity, so a succession of fresh growths is secured from early spring to the latest fall. Per lb. 50c; 3 lbs. \$1.35, postpaid. By frt., bu. (15 lbs.) \$4.25.

OUR PUTTING-

GREEN MIXTURE.—A mixture of extra fine grasses that will make a close, firm, green and lasting turf, improves the more it is trampled. Per lb. 75c; 3 lbs. \$2.00, postpaid. By frt., bu. (15 lbs.), \$5.00.



Roots of Grass
Showing Need of
Lawn Fertilizer

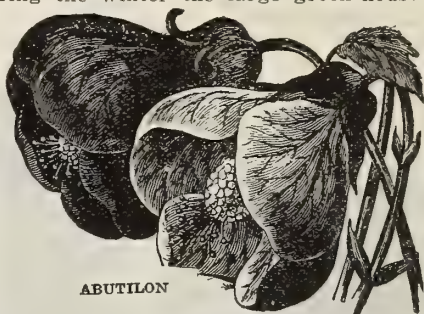


Root of Grass Showing
Effect of Using Peer-
less Lawn Dressing

WE CAN FURNISH PLANTS, TREES, SHRUBS, ROSES, VINES---EVERYTHING TO ADORN THE HOME

FLOWER SEEDS

Our floral beauties come in for their full share of attention, and aside from our seed farm we have twelve acres of land right in the city, convenient to the street cars, devoted exclusively to flowers. Here we grow thousands of varieties and have in our employ experienced specialists in this line, who, under our supervision, attend to growing whatever can be grown to advantage in this country, test all novelties offered in this country or Europe, and are constantly trying by selection and hybridization to improve the leading varieties, and make our choice Iowa Flower seeds just what we are striving for—the best in the world. We invite all our customers to call and see this Floral Exhibition whenever they are in the city. Even during the winter the large green-houses on these grounds are a revelation of beauty which surprises everyone. We also have a large acreage on our seed farms east of this city devoted to floriculture. Our flower seeds are all fresh and we know are unsurpassed. Quality is always the first consideration. Our mixtures are mainly made up by ourselves from named varieties, or from growing a large number of the best named varieties together, and will yield a better assortment than is commonly found. This year we classify the climbers, everlastings and grasses separately at the end of the list. Don't fail to notice also novelties listed on colored pages of this book.



ABUTILON



ARCTOTIS GRANDIS



ABRONIA



AMARANTHUS



ANTIRRHINUM



ALYSSUM

ABRONIA

Trailing habit similar to verberna, bearing clusters of sweet-scented flowers. Effective for bedding in masses, very desirable for rockwork and hanging baskets. In beds sometimes one plant covers a yard square full of bloom. Rose color. Pkt. 3c; ¼ oz. 10c; oz. 20c.

ABUTILON

(Flowering Maple or Chinese Bell Flower.) Are pretty plants useful for pots in summer, and the bell-shaped flowers are beautifully dotted and veined. Are of easy culture; bloom readily from seed the first summer if seed is started early in the house. Finest sorts mixed. Pkt. 10c.

AMARANTHUS

Prized for very handsome foliage, whether grown in conservatory or garden. Colors will be more brilliant if in moderately rich soil. Should not be planted in the north before the month of May.

TRICOLOR.—Leaves yellow, red and green; well known as "Joseph's Coat." Hardy annual; 2 feet high. Pkt. 3c.

SALICIFOLIUS.—Known as "Fountain Plant." Pkt. 7c.

CAUDATUS.—(Love Lies Bleeding.)—Produces long, drooping chains of brilliant colored flowers. Pkt. 5c.

MIXED VARIETIES.—Pkt. 5c; ¼ oz. 10c; oz. 30c.

ARABIS

ALPINA.—Among the earliest blooming plants; very useful for rockwork, edgings, carpet bedding, etc. Flower pure white; plant 9 inches high, hardy perennial. Pkt. 5c.

DIRECTIONS FOR SOWING, ETC.—The conditions and requirements of the several species as to soil, moisture, heat, etc., should be studied and observed in culture. We give a few general instructions though more complete directions are printed on seed packets. The soil best adapted to most flowers is light, rich loam, containing enough sand to make it porous. If there is some clay with it the colors will be brighter. Make surface smooth and fine as possible; sow seeds in rows, covering each sort of seed in proportion to its size (a good general rule being to cover twice the diameter of the seed) and press the soil down firmly over it. Do not plant any seeds when the ground is wet. Many varieties, such as pansy, verberna, daisy, hollyhock and the fine greenhouse plant seeds, should be sown early in shallow boxes in the house, in soil consisting of equal parts of fine sand and rich, mellow loam well mixed together and sifted to remove all gravel and lumps. Sow as before directed. Covering the box with glass helps to retain the moisture and keeps the temperature even. Be careful not to keep too wet, and when large enough to handle, transplant to boxes from one to two inches apart to remain until put in permanent beds.

HOME FLORICULTURE

By Chas. N. Page, Pres. and Mgr. Iowa Seed Co.

A book of instructions for growing flowers either from seeds or plants. Price in paper covers 25c, or will be mailed free on orders of \$2.00 or more, if asked for.

ALYSSUM

SWEET.—Has little white flowers, useful for small bouquets. Its fragrance, while sufficiently pronounced is very delicate. Makes a pretty border and is one of the best plants for a basket or pot. Pkt. 3c; ¼ oz. 10c; oz. 25c.

LITTLE GEM.—The plants are very dwarf and remarkably uniform in growth; only 3 or 4 inches high and each spreads so as to completely cover a circular space 12 to 20 inches in diameter. The plants bloom while quite young and soon become one mass of white, remaining from spring till fall. Deliciously fragrant. Pkt. 5c; ¼ oz. 20c; oz. 50c.

ANTIRRHINUM

(Snapdragon)

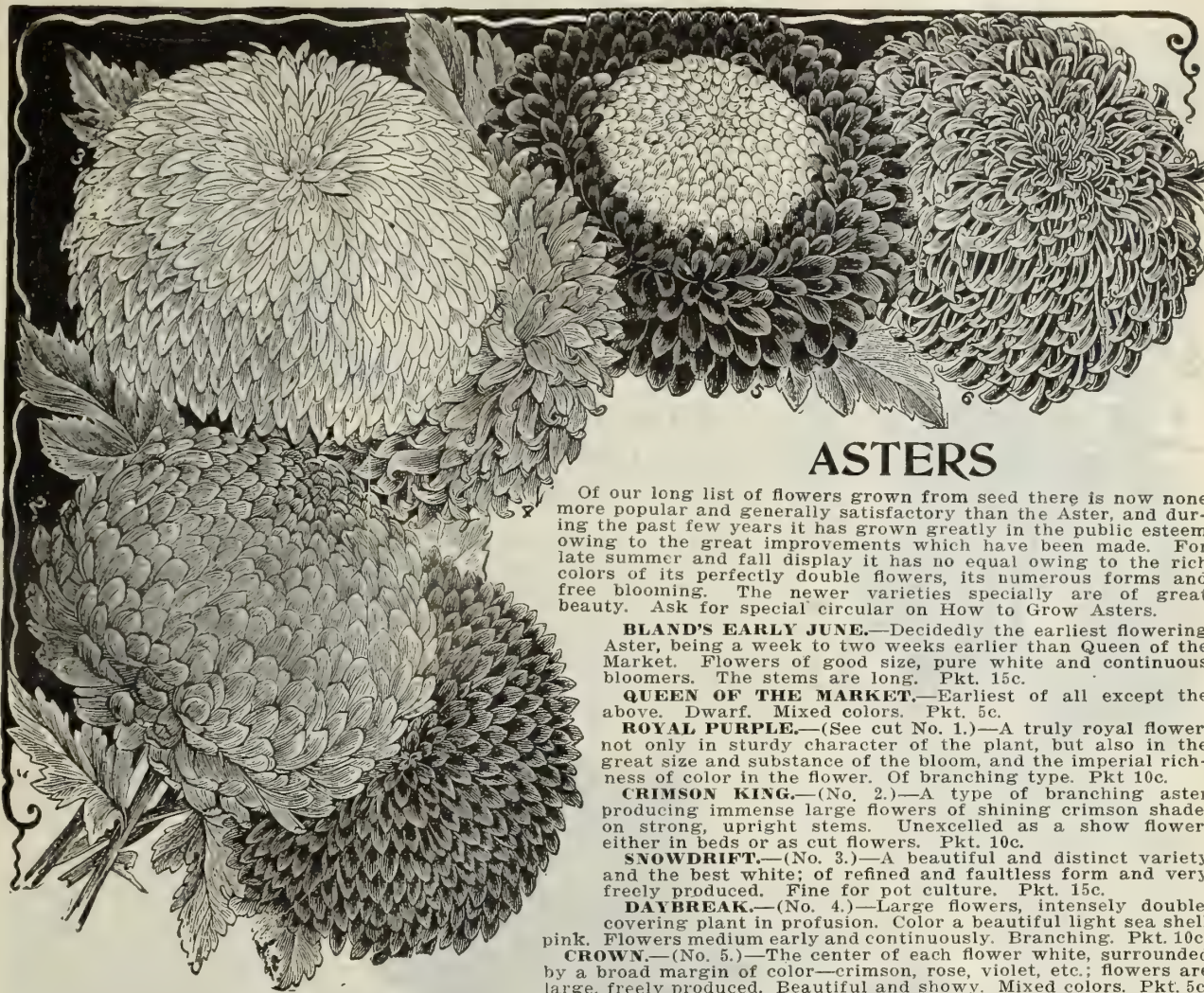
GIANT FLOWERED.—Most beautiful new class, having all the finest colors and markings known in the old varieties, together with several new shades. Flowers of immense size and produced in long spikes, 1 to 2 ft. in height, almost as large and beautiful as gladiolus, blooming continuously. Pkt. 10c; ¼ oz. 40c; oz. 1.25.

DWARF MIXED.—Large flower. Pkt. 5c; ¼ oz. 30c; oz. \$1.

ARCTOTIS GRANDIS

It is a remarkably handsome annual which forms much-branched bushes 2 to 3 ft. high, the foliage is soft and downy and of a whitish color; its flowers, borne on long stems, rising well above the foliage, are large and showy; the surface, embellished with a narrow yellow zone at base; reverse of petals pale lilac-blue; disc is light blue with slightly projecting white stamens; a lovely flower. Pkt. 10c.

YOU WILL BE PLEASED WITH OUR CHOICE FLOWER SEEDS. THEY ARE THE VERY BEST OBTAINABLE



ASTERS

Of our long list of flowers grown from seed there is now none more popular and generally satisfactory than the Aster, and during the past few years it has grown greatly in the public esteem owing to the great improvements which have been made. For late summer and fall display it has no equal owing to the rich colors of its perfectly double flowers, its numerous forms and free blooming. The newer varieties specially are of great beauty. Ask for special circular on How to Grow Asters.

BLAND'S EARLY JUNE.—Decidedly the earliest flowering Aster, being a week to two weeks earlier than Queen of the Market. Flowers of good size, pure white and continuous bloomers. The stems are long. Pkt. 15c.

QUEEN OF THE MARKET.—Earliest of all except the above. Dwarf. Mixed colors. Pkt. 5c.

ROYAL PURPLE.—(See cut No. 1.)—A truly royal flower, not only in sturdy character of the plant, but also in the great size and substance of the bloom, and the imperial richness of color in the flower. Of branching type. Pkt. 10c.

CRIMSON KING.—(No. 2.)—A type of branching aster producing immense large flowers of shining crimson shade, on strong, upright stems. Unexcelled as a show flower, either in beds or as cut flowers. Pkt. 10c.

SNOWDRIFT.—(No. 3.)—A beautiful and distinct variety and the best white; of refined and faultless form and very freely produced. Fine for pot culture. Pkt. 15c.

DAYBREAK.—(No. 4.)—Large flowers, intensely double, covering plant in profusion. Color a beautiful light sea shell pink. Flowers medium early and continuously. Branching. Pkt. 10c.

CROWN.—(No. 5.)—The center of each flower white, surrounded by a broad margin of color—crimson, rose, violet, etc.; flowers are large, freely produced. Beautiful and showy. Mixed colors. Pkt. 5c.

MARVEL.—(No. 6.)—A most charming new variety from Germany. Flower large and petals pure white, beautifully striped with a band of blue, red, pink, lilac or some other distinct color down the center of each. A very brilliant and showy flower. Pkt. 15c.

BIG SIX ASTER COLLECTION

One packet each of the six beautiful varieties illustrated in the above picture for 45c.

IMPROVED BRANCHING.—This is the most popular florists' strain. We can furnish it in the following colors:

White	Pink	Lavender
Rose	Crimson	Purple
Carmine	Dark Violet	Mixed colors

Each per pkt. 10c; ¼ oz. 40c; oz. \$1.25.

One packet each of eight separate colors of this splendid type for 50c.

SEMPLER'S BRANCHING.—Flowers are large and double, borne on large, stiff stems. Mixed colors. Pkt. 5c.

GIANT COMET MIXED.—Shape differs from all others, resembling the Japanese chrysanthemum. The flowers are from 3 to 4½ inches in diameter, perfectly double. Pkt. 10c; ¼ oz. 40c; oz. \$1.25.

HARLEQUIN.—A curious, attractive and beautiful variety with oddly spotted and striped very double flowers of red and blue. Pkt. 10c.

HOHENZOLLERN MIXED.—A mammoth Ostreich Feather type. Pkt. 10c.

IMPERIAL SUNSET.—Delicate light pink, shading darker in center. Pkt. 15c.

MIKADO.—Immense size with curled and twisted petals. Mixed rose and white. Pkt. 15c.

VIOLET KING.—Large flowers 4 to 5 inches across, of beautiful rich violet purple color. Pkt. 10c.

PERENNIAL MIXED.—Single flowering, hardy, herbaceous plants. If sown early will flower first season. Pkt. 5c.

ROYAL MIXED.—A choice selection of all the best sorts. No second grades. Pkt. 10c.

VICTOR MIXED.—This is a magnificent branching variety producing a wealth of the most beautiful flowers of immense size. A special mixture for our most critical trade. Pkt. 15c.

GLORIA OR BUTTONHOLE.—One of the prettiest little plants for bedding that we know of. Grow to a height of 10 inches, are very branching and free blooming. Pure white with a brilliant scarlet margin. Pkt. 10c.

PERFECTION MIXED.—(Truffant's Improved Paeony Flowered.)—A favorite; flowers large and almost perfectly round, incurved petals. Pkt. 5c.

VICTORIA.—A magnificent sort. Is twenty inches high, free bloomer, large, brilliant colors mixed. Pkt. 10c.

WASHINGTON.—Largest in cultivation, flowers often 5 to 6 inches across; mixed colors. Pkt. 10c; ¼ oz. 50c; oz. \$1.50.

GOLDEN BALL.—The long sought novelty—a yellow aster. Pkt. 10c.

BETTERIDGE'S QUILLED.—Perfectly double, tube or quill shaped petals; valuable for bouquets and bedding. Mixed colors. Pkt. 3c.

TALL VARIETIES MIXED.—Many varieties and colors. Pkt. 5c; ¼ oz. 40c; oz. \$1.25.

DWARF MIXED.—A splendid assortment of the best dwarf growing varieties. Pkt. 5c; ¼ oz. 40c; oz. \$1.25.

MARY SEMPLE.—A handsome shell pink sort. Pkt. 10c.

SINGLE FLOWERING MIXED.—This plant bears a mass of star-shaped flowers. Pkt. 5c.

ENCHANTRESS ASTER COLLECTION

Four Superb Sorts Four Brilliant Colors
One packet of each for only 25 cts

ENCHANTRESS.—Truly a magnificent novelty in asters, of the most beautiful delicate shade of shell pink similar to the noted Enchantress carnation, and probably the most popular color among the many tints found in flowers. Of branching type, producing blossoms of perfect shape on long stems. Pkt. 15c.

PURITY.—A paeony flowered type of branching form, with flowers borne on long stems. Everyone appreciates the need of pure white in color harmony. The perfect form and large size of the flower decided us to choose this sort for our special collection. Pkt. 10c.

LAVENDER GEM.—The daintiness of the lavender color delights the eye, while the perfect form and lovely type of the bloom itself makes the Lavender Gem a cherished aster among all lovers of this flower. It is almost impossible to make a color combination in which lavender is not harmonious. Pkt. 10c.

CARDINAL.—This adds the brilliancy necessary to complete the quartette of beauty. We consider our Enchantress Aster Collection one of the best offers we have ever presented to our customers. It would not be complete, however, without the Cardinal to give the brightness and shining touch which a pleasing red always conveys. Pkt. 15c.

One packet each of the above four choice asters for only 25 cents



PEERLESS MIXED BALSAMS

BALSAM

One of the most beautiful of our annuals, and under the old names Lady Slipper and Touch-Me-Not, has always been popular, but by the care and attention given it in the last few years, it has been greatly improved. The flowers are most brilliantly colored, very large and double, rich in colors, ranging from pure white to rich dark crimson. The packets contain about 50 seeds.

CAMELIA-FLOWERED MIXED.—Are very double, resembling the camelia in form, of unusual size, perfect shape, and our mixture contains all the best colors. You will be greatly pleased with it. Pkt. 5c; oz. 40c.

PEERLESS MIXED.—A new mixture made up from the best foreign and American strains and their beauty is truly marvelous. Flowers are double and of all known colors. Plants are loaded with hundreds of flowers. Pkt. 10c; oz. 60c.

ALL VARIETIES MIXED.—A nice mixture of older sorts. Pkt. 5c; oz. 25c.

BLUE BELLS

The popular flower of Scotland. Beautiful bell shaped, bright blue flowers. Hardy perennial. Pkt. 10c.

BRACHYCOME

Also called "Swan River Daisy." Very pretty low-growing plants, fine for borders, rustic work or pot culture, covered during summer with a profusion of cineraria-like flowers. Half-hardy annual. Mixed blue and white. Pkt. 5c.



BROWALLIA GRANDIFLORA

BROWALLIA

GRANDIFLORA.—A new sort; most beautiful of all Browallias. Grow only about 1 ft. high; form dense little bushes covered with abundance of delightful extra large sky-blue flowers. There is hardly another plant with blue flowers that compares with it. Pkt. 10c.

AGERATUM

BLUE PERFECTION.—A great improvement over the common blue ageratum. Flowers larger and of a deeper blue. Blooms profusely; striking for beds or borders. Pkt. 10c; ¼ oz. 25c.

MEXICANUM.—(Blue.)—Suitable for beds; blooms long time; largely used by florists; start seeds early. Pkt. 5c; ¼ oz. 15c; oz. 40c.

ALBIFLORUM.—Like above, only white. Pkt. 5c; ¼ oz. 15c; oz. 45c.

AMBROSIA

Perfume Plant.)—Long spiral stems with abundant round, greenish-yellow buds and blossoms. Very fragrant. Fine for bouquets or floral work. Pkt. 7c.

AQUILEGIA

(Columbine.)—Too much praise cannot be given to these elegant, free-flowering and deservedly popular hardy plants; bloom profusely through spring into early summer. Hardy perennial.

CHRYSANTHA.—The beautiful large flowered canary yellow variety. Very showy and satisfactory. Pkt. 5c.

COERULEA.—Flowers very large, violet, blue and white. Pkt. 7c.

DOUBLE VARIETIES MIXED.—Per pkt. 5c.

BIRD OF PARADISE FLOWER

(Poinciana Gillesi.)—Considered one of the wonders of nature as it is of curious and strange form. Flowers are 2½ in. in diameter and produced in large trusses of a rich golden yellow, attractive part being the large pistils, which are of crimson color and spread out in fan shape. If started early will produce a profusion of blooms the first year. Per pkt. of 10 seeds 10c.



BIRD OF PARADISE FLOWER

AGROSTEMMA

A hardy plant introduced from Russia; blossoms similar to pinks on long slender stems. Suitable for border plants; fine for bouquets or cemetery. Mixed colors. Pkt. 5c.

ASPERULA

AZUREA SETOSA.—Is a hardy, dwarf growing little annual, producing an abundance small light blue, sweet-scented flowers. Fine for bouquets. Pkt. 5c.

AFRICAN GOLDEN DAISY

A splendid flower of recent introduction in America. Fully described and illustrated in colors on back cover page.

VERNON BEGONIA
BEGONIA

Seeds very small, almost microscopic, and should be sown on top of soil in box, pressing soil evenly. Cover with a glass and give partial shade until up.

VERNON.—Comes true from seed. Plants grow rapidly and thrive amazingly under our hot summer sun. Fine for bedding. Pkt. 10c.

REX.—The king of Begonias. Have very large ornamental leaves of dark green, bronze, gold, red, etc. Very rich, lustrous, tropical appearing. Choice mixed. Per pkt. 25c.

TUBEROUS-ROOTED.—Of great value for decoration; covered the whole summer with bright, elegant flowers. Blooms first season from seed, if sown in February or March in temperature of 60 degrees. Single and double mixed. Pkt. 15c.

MIXED VARIETIES.—Excellent varieties of flowering sorts. Pkt. 10c.

MEXICAN BURNING BUSH

This we consider one of the most ornamental border or hedge plants and is sure to attract attention. Known botanically as *Kochia Scoparia*. It grows quickly from seed sown in the open ground. Plants are always of the rounded or globe-like form shown in our illustration, branch freely, and the stems are clothed with slender light green leaves. Early in the fall the ends of the shoots are thickly set with small, bright scarlet flowers, the bushy plants resembling balls of fire. The plants are equally showy planted singly to show the round, ball-like form on all sides or grown in continuous rows. Per pkt. 5c; ¼ oz. 35c; oz. \$1.00.



MEXICAN BURNING BUSH



GOLDEN WAVE CALLIOPSIS.

BUTTERFLY FLOWER

This large-flowering variety of *Schizanthus* is one of the handsomest annuals, the shape and colors being so unusual, and exquisite that it challenges the rare orchids in beauty. Easily grown and makes a bushy plant fairly loaded with rich and various colored flowers. Pkt. 15c.

CALLIOPSIS

Many of our most showy flowers are slighted because they are common and grow anywhere without trouble or care, almost like weeds. One of these is the calliopsis. Were it a new thing it would be considered a novelty of rare excellence.

LANCEOLATA.—New Golden Coreopsis. —One of the most showy hardy perennials grown, forming tall plants two or three feet high, and bearing in great profusion for a long period during the summer, large flowers of bright golden yellow. Unequaled for cutting. Grows anywhere. Pkt. 8c; ¼ oz. 25c; oz. 75c.

GOLDEN WAVE.—Plant very bushy and compact, reaching 2 ft. in height, covered from July to October with hundreds of beautiful golden blossoms 2 in. in diameter with small dark centers. It is indeed a wave of gold. Pkt. 5c; ¼ oz. 15c; oz. 40c.

SINGLE MIXED.—Mixture of annual varieties. Many shades of yellow, red and brown. Pkt. 3c; ¼ oz. 10c; oz. 30c.

NEW DOUBLE.—A beautiful and charming new type of the annual Calliopsis. Blooms freely and will please everyone. Pkt. 7c; ¼ oz. 25c; oz. 75c.

CAMPANULA

CUP AND SAUCER.—A beautiful variety. The bell is nearly four inches in diameter, presenting the form of a saucer, hence its name. The plant is of strong growth, quite as hardy and floriferous as the old blue variety, and is very elegant and handsome, when in flower blossoms literally hiding plant. Perennial. Mixed colors. Pkt. 10c.

SINGLE MIXED.—A choice mixture of single sorts. Pkt. 5c.

DOUBLE MIXED.—Choicest seed from selected plants. Pkt. 10c.

CINERARIA

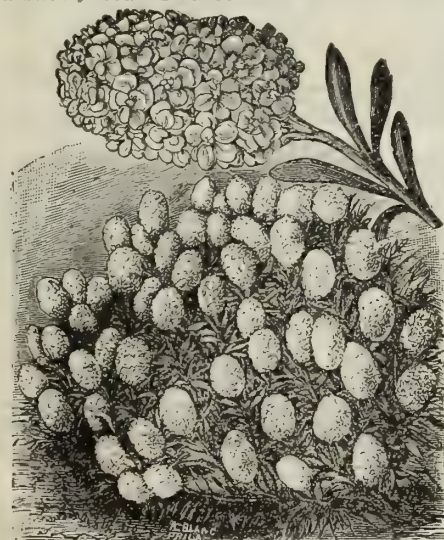
As will be seen by the illustration from a single plant, the Cineraria is a wonder for wealth of bloom and symmetry of form.

LARGE FLOWERING MIXED.—The plants grow perfectly circular in shape and are entirely covered with brilliant blossoms. The rich and vivid colors range through all shades of blue, purple and crimson. Most of the varieties have well-defined white eye and are unsurpassed for attractiveness. Pkt. 15c.

CALENDULA

Belongs to the well known marigold family.

FINE MIXED.—Many nice varieties and when planted together they make a showy bed. Pkt. 3c.



GIANT EMPRESS CANDYTUFT.



CINERARIA.



CALENDULA

CANDYTUFT

Considered indispensable for cutting. All varieties look best in beds or masses; hardy, easy to cultivate, and blooms profusely. Hardy annuals one foot high.

GIANT EMPRESS.—One of the finest varieties, in height between Rocket and Tom Thumb sorts. Of very branching habit and when fully grown and covered with its pure white flowers resembles a floral candelabra. Pkt. 7c.

BEST MIXED.—Mixture of all varieties and colors. Pkt. 3c; ¼ oz. 10c; oz. 30c.

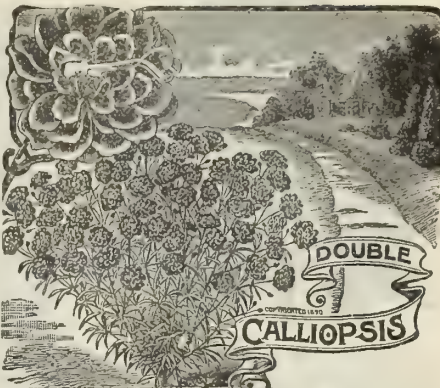
SEMPERVIRENS.—Profuse blooming white perennial. Early. Pkt. 10c.

CARNATION

Finest of the dianthus or pink family. Very fragrant. Our seed unsurpassed.

DOUBLE EXTRA MIXED.—The best greenhouse varieties. Will produce wide varieties of markings and colors. Pkt. 7c.

MARGUERITE.—Mixed. These lovely, fragrant flowers are in full bloom in about four months after sowing. Plants succeed alike in the open garden or in pots, and are of such vigorous, dwarf, erect growth that no supports are required. The range of color, marking, variegations and shading are simply wonderful. Pkt. 10c.



CANNA

CANNA

Unquestionably one of the best of bedding plants for the American climate. Their handsome leaves combined with their varied and richly colored flowers have an extremely fine effect. Easily raised from seed which should be soaked in hot water for several hours.

FANCY LARGE FLOW-ERED.—A very large flowering dwarf variety, 3½ feet. Flower first year from seed. Mixture of finest flowering sorts. Pkt. 5c, oz. 25c.



MARGUERITE CARNATIONS



GIANT EMPRESS COCKSCOMB
breadth; purple combs and dark bronze foliage. Pkt. 10c.
GOLDEN GLOW.—This is one of the most attractive novelties. Plants large and produce many handsome flowers 5 to 10 inches in diameter, of a most attractive bright, rich golden yellow color. Pkt. 10c.

COSMOS

A magnificent race of plants growing about 3 to 4 feet high, and in fall literally covered with graceful flowers resembling single dahlias, but better for cutting. As a cut flower for vases or personal wear its grace and beauty is unequalled. Easily raised from seed if sown early.

LADY LENOX.—Beautiful light pink flowers of extra large size, sometimes 6 inches in diameter. Full, vigorous plants, six to seven feet. Unequaled among annuals for screens and tall borders. Pkt. 8c; ¼ oz. 20c; oz. 50c.

EARLY DAWN MIXED.—Introduced by us and it jumped at once into popularity on account of its extreme earliness, coming in bloom about two months from time of sowing and continuing until destroyed by frost. The plants have fine, feathery, light green foliage and delicate rose, purple, white and lilac flowers. A free blooming plant of easiest culture. Mixed colors. Pkt. 5c; ¼ oz. 15c; oz. 40c.

MAMMOTH PERFECTION.—Flowers double the size of the old flowering cosmos. Seed should be sown early in the house, as they are quite late. Pkt. 7c; ¼ oz. 15c; oz. 45c.

CHRYSANTHEMUM

The Annual Chrysanthemums are different from the large flowered perennial varieties grown by florists. They grow easily from seed and flower freely during summer and fall.

CHAMELEON.—A new and distinct annual variety producing very large, single flowers with purple, black, crimson, yellow and copper. Pkt. 8c.

NEW DOUBLE ANNUAL.—A valuable and most unique novelty. Extremely variable and it is impossible to describe the beautiful forms which have been produced. A great variety of colors, markings and pencilings. Very double, semi-double or single, all equally charming. Pkt. 5c; ¼ oz. 20c; oz. 50c.

PERENNIAL.—Double Mixed. —This is the popular greenhouse variety. Showy and desirable for fall and early winter blooming. Plants potted in the fall make a continuous bouquet for many weeks. Sow the seeds early. Pkt. 10c.



DOUBLE ANNUAL CHRYSANTHEMUMS

CELOSIA

For summer beds we know of nothing that will produce as showy and brilliant effects.

SPICATA.—A wonderful new variety of Celosia and far different from any ever before seen. It is a handsome annual, forming upright, well branched pyramids, about 2½ feet in height, and producing at the summit of each branch spikes of flowers of a bright rose color when opening, changing to silvery white; fine for garden or growing in pots. Pkt. 10c.

OSTRICH FEATHER.—Beautifully curled crimson plumes. Pkt. 10c.

ALL VARIETIES MIXED.—Pkt. 5c.

COCKSCOMB

GIANT EMPRESS.—Is very handsome either for pot plants or specimens in beds, where they excite the curiosity of visitors more than almost any plant that can be grown. The Empress is the finest and most gorgeous variety yet introduced. It is not uncommon for the heads of this variety to measure over twelve inches in



EARLY DAWN COSMOS



CELOSIA SPICATA

CHINESE LANTERN PLANT

Showy annual, about 18 inches high; bears large red cherry-like fruits each enclosed in enormous balloon-like, semi-transparent calyx, about three inches long, at first light green, gradually changing to yellow, then orange, and finally to crimson. Effective in the autumn garden or pots. Better on rather poor soil. Pkt. 10c.

CLARKIA

A very pretty and desirable hardy annual about 2 feet high. Flowers are white, red, purple, etc., and borne in profusion during summer.

SINGLE AND DOUBLE MIXED.—Pkt. 5c.

CLITORIA

TERNATEA.—Beautiful perennial plant which is suitable for pots or the garden, and which blooms freely the first season from seed; blossoms shaped like Sweet Peas and of a dark, rich indigo blue with a white center. Pkt. 10c.

COMMELINA SELLOWIANA

A lovely perpetual flowering "Wandering Jew," suitable for garden in summer or for pots all the year. The flowers look like blue butterflies; blooms in short time from seed and is a beautiful and showy flower sure to prove satisfactory. Pkt. 10c.

COLEUS

A very decorative plant in the border, easily grown from seed, which frequently produces new and distinct varieties. Packets contain about 150 seeds.

FINE MIXED COLORS.—Pkt. 10c.

RAINBOW.—Finest sort; sure to please. Pkt. 15c.

CENTAUREA

CYANUS.—Called Ragged Sailor, Corn Flower, Blue Bottle, Bachelor's Buttons and Bluet. A very old favorite garden annual, flowering freely in almost any situation. Height, 2 to 3 feet. Mixed colors. Pkt. 3c; ¼ oz. 10c; oz. 30c.

CYANUS DOUBLE.—A most charming sport from the above, well shown in our illustration. Flowers very large and globular. A continuous bloomer, and becoming quite popular. Our mixture contains a great variety of colors. Pkt. 8c.

MARGUERITE.—This is one of the handsomest novelties ever brought out. The large flowers are of the purest white, deliciously scented, exquisitely lacinated and freely produced. Pkt. 10c; ¼ oz. 20c; oz. 60c.

GYMNOCARPA.—(Dusty Miller.)—The foliage of this variety is finely cut and silvery. It is perhaps the best white leaved plant for bedding purposes. Pkt. 5c.

IMPERIALIS MIXED.—A grand improvement on the old favorite Sweet Sultan, producing long stemmed blossoms 3 to 4 inches across, of graceful, airy effect, and most deliciously fragrant. Colors vary from glistening white through shades of red, blues, lilac, royal purple, etc. For bouquets, vases, or as corsage flowers of exceptional value. If cut scarcely opened will last for ten days in water. Of easiest culture, flowering freely the first summer. Strong bushy form 2 to 3 feet high. Pkt. 10c; ¼ oz. 25c; oz. 75c.

CACTUS

Almost everyone who keeps house plants likes to have a few nice Cacti. The seed we furnish is collected from the choicest varieties in Arizona, New Mexico, Texas, California and Old Mexico, as well as some foreign countries, and mixed together. Easily grown from seed planted in a box of clean sand. Pkt. 10c.

**CACALIA**

COCCINEA.—A handsome free-flowering little plant; owing to peculiar form of the flower is sometimes called Tassel Flower or Flora's Paint Brush. Scarlet. Pkt. 5c.

CANTERBURY BELLS

A very pretty perennial quite popular in some sections of the country. Double and single; mixed colors. Pkt. 8c.

DIANTHUS

The Dianthus, or Chinese Pink, is one of our most useful plants, furnishing abundance of gay and pretty flowers until frozen in with the earth and covered by drifting snows. Quite as pretty for pot plants in the house as carnations. Plants from seed grow and bloom very quickly. We are doing customers a kindness by urging them to plant Dianthus for both garden and pots.

ORIENTAL MIXED.—The finest strains of both double and single flowered. A wonderful range of color and markings. See description and illustration on back cover page. Pkt. 10c.

FIREBALL.—A beautiful, very dwarf and compact-growing pink, only 10 to 15 inches in height. Flowers are perfectly double and color a rich velvety blood red. The plants begin to flower shortly after they are up and continue to bloom profusely all summer and fall, only ceasing when overtaken by severe frost. Effective for garden beds or pot culture, and as a cut flower. Pkt. 8c.

SNOWBALL.—Fit companion to above. Flowers large, pure, white, double, finely fringed, perfect form. Pkt. 8c.

CROWN.—Flowers averaging six inches in circumference, are densely double and are produced in perfect succession the whole summer. Colors from purest satiny white to red shades so deep and intensely brilliant that the eye can scarcely penetrate their velvety depths, soft pinks and flesh tints more dainty than brush could lay; many of the flowers are hieroglyphically marked. Pkt. 7c.

IMPERIALIS.—*Flore Pleno.*—The best selection of this most popular type of double sorts. The mixture contains a wonderfully fine diversity of colors. We commend it to friends without reservation. Pkt. 5c; ¼ oz. 15c; oz. 40c.

MOURNING CLOAK.—Magnificent new variety; very double large flowers of very dark mahogany, almost black, petals margined pure white. Pkt. 5c.

HEDDEWIGI.—Finest selected single mixed. One of the most showy. Pkt. 5c; ¼ oz. 15c; oz. 50c.

DOUBLE DIADAM PINK.—A superb large double flower, is hieroglyphically marked, like the original Chinese pinks, in the middle down to the base of each petal; magnificent in color and variety. Pkt. 7c.

CHINENSIS.—(Double Chinese Pink.—Mixed. Pkt. 5c; ¼ oz. 15c; oz. 50c.

MIXED VARIETIES AND COLORS.—Pkt. 5c; ¼ oz. 15c; oz. 50c.

DAISY

Popular perennials, blooming the first year from seed; very handsome for borders or pots.

BEST DOUBLE MIXED.—Per pkt. 5c.

NEW GIANT SNOWBALL.—A most charming variety of this handsome little flower. It has unusually large double flowers on very long stems, making it very valuable for cutting. Color pure snow white. Don't fail to give this little beauty a fair trial, and it will be sure to please you. Pkt. 10c.

BUSH DOLICHOS

DWARF WHITE.—Bush form of well known Hyacinth Bean, popular as a summer climber. Blossoms similar in appearance to sweet pea, but borne on very long racemes; pure white and very lovely. Followed by ornamental pods. Pkt. 10c.



ELECTRIC LIGHT PLANT

GIANT SNOWBALL DAISY



ESCHSCHOLTZIA

EUPHORBIA VARIEGATA

ELECTRIC LIGHT PLANT

Near the entrance to Greenwood Park of this city there was a large bed of flowers which attracted universal attention. It bloomed constantly throughout the season. It was called "Electric Light Plant," but it is evidently some improved variety of Cleome. We secured the seed which these plants produced and grew a fine crop of it on our farm. It is a sturdy, bushy plant of about 4 feet, covered constantly with large spikes of flowers 6 to 9 in. long which are pure white at base and range from rose to bright red at apex. Grows readily from seed, which should be planted in open ground early in spring. Showy and ornamental for clumps or massing. Pkt. 10c.

DAHLIA

The dahlia is well known, though few are aware that if the seed is sown early in the spring they will bloom the first year.

BEST DOUBLE MIXED.—Our seed is of the finest strain, and produces magnificent large, very double flowers of the richest shades. Per pkt. 10c.

SINGLE MIXED.—Pkt. 5c.



DOUBLE DAHLIA

DATURA

Large, strong-growing plant with trumpet-shaped flowers of large size.

CORNUCOPIA.—Plant about 3 feet high; stems dark purplish maroon; the flowers 8 in. long, 5 in. across throat, formed of two or three flowers one within the other; very fragrant. Per pkt. 10c.

DOUBLE VARIETIES MIXED.—The best kinds in mixture. Pkt. 5c.

ESCHSCHOLTZIA

CRIMSON.—This choice novelty is the result of nine years careful selection from a chance sport in a bed of yellow Eschscholtzia, the state flower of California. This flower is of a bright, handsome crimson. Is one of the most easily grown plants, producing a profusion of flowers. Pkt. 10c.

SINGLE MIXED.—California poppies. Pkt. 5c; ¼ oz. 10c; oz. 35c.

DOUBLE MIXED.—We believe that the double form of this flower will prove very satisfactory to all flower lovers. Pkt. 5c; ¼ oz. 15c; oz. 40c.

GOLDEN WEST.—A giant flower of a rich golden yellow color, some specimens having a dark orange blotch in the center. Pkt. 5c; ¼ oz. 15c; oz. 40c.

HUNNEMANNIA.—"Bush Eschscholtzia." The flowers are cup shaped and about 3 in. in diameter. Color clear, bright yellow, having a satiny sheen over the surface. Sow thick as it generally germinates only about 50 per cent. Pkt. 10c.

EUPHORBIA

VARIEGATA.—Are strong growing annuals suitable for beds of tall growing plants or mixed borders; flowers inconspicuous; foliage, however, is ornamental, veined, margined white. Pkt. 5c.

HETEROPHYLLA.—(Annual Poinsettia.)—Bush-like with smooth, glossy-green leaves. In midsummer these are a beautiful orange-scarlet. Pkt. 10c.



FOUR O'CLOCK

FOUR O' CLOCK

(Mirabilis.)—The Marvel of Peru, or Four-o'clock, is one of the most brilliant and showy of annuals. Planted in beds or masses, their very compact growth, rich glossy leaves, together with their profusion and diversity of bloom, present a gorgeous sight in afternoon.

TOM THUMB MIXED.—A very handsome and compact dwarf, bushy plant, with elegant golden-variegated foliage; numerous brilliant flowers, pure yellow, deep red, and striped and blotched. Pkt. 5c; oz. 15c.

MIXED COLORS AND VARIETIES.—Contains a fine assortment of colors and is always satisfactory. Pkt. 3c; oz. 10c.

FERNS

Can be grown from the spores, or seed, by sowing in a very moist place under glass. Many varieties mixed. Per pkt. 15c.

FUCHSIA

Fine plants can easily be raised from the seed, which will bloom freely during the summer in a cool, moist situation in the open air. On the approach of frost in the fall, they can be taken up and planted in pots. A packet contains about 15 seeds. Finest double and single mixed. Pkt. 10c.



GOOD VENTURE GERANIUM
white to dark pink, most, however, being a clear, delicate pink color. A hardy perennial, fine for borders. Double and single mixed. Pkt. 5c.

GERANIUM

GOOD VENTURE.—A greatly improved strain of geranium seed-grown by a specialist for our trade; easily raised from seed, which will frequently reward the cultivator with charming new varieties. Plants from seed started early in the house bloom the first summer in the garden. Some seeds come up in a few days and others in many days, perhaps weeks. Plants grow rapidly, are strong and thrifty. Pkt. (about 40 seeds), 15c.

CHOICE MIXED.—This seed saved from nice varieties and mixed. Pkt. 5c.

GRASS PINKS

The hardy and pretty clove-scented flowers so much loved by our grandmothers. Their fragrance quickly noticed in passing yards where grown. There has been quite a call for these for several years. The flowers range from pure

white to dark pink, most, however, being a clear, delicate pink color. A hardy perennial, fine for borders. Double and single mixed. Pkt. 5c.

GODETIA

Handsome and showy annual about one foot high, of dwarf, compact growth; bear freely large flowers 3 to 4 in. across, of exquisite colors. **MIXED VARIETIES.**—All colors. Pkt. 5c.

GOLD AND SILVER FLOWER

A great novelty from New South Wales which we introduced. Flowers are silvery white, while center petals are yellow, giving the appearance of a five dollar gold piece laid in center of silver dollar, which a few feet distant is quite striking and gave plant its name. Intensely double; blooms freely and is decidedly ornamental not only in beds but also for cut flowers; flowers not only retain their beauty kept in vases, but are everlasting, pretty when dry. Pkt. 10c.



GOLD AND SILVER FLOWER

GILIA

Free-flowering hardy annuals, one foot to eighteen inches high, with finely cut foliage and clusters of small, delicate flowers, white, blue, lilac, and rose-color; suitable for beds, rockwork and edgings. Sow seed in open ground. Mixed. Pkt. 5c.

GLOXINIA

Charming greenhouse plants, of dwarf habit. Flowers in greatest profusion, and of the most exquisite and gorgeous colors, many of which are magnificently spotted, mottled and blended. Bloom continuously for months. Seed should be started under glass. Choice mixed. Pkt. 25c.

GOLDEN ROD

Considered a weed on our western prairies, it has been adopted by New York as state flower. Admired by all; easily grown from seed. Pkt. 5c.

GYPSOPHILA

Delicately pretty little flowers, sometimes called "Baby's Breath" or "Angel's Breath." Graceful and easily grown in open ground.

ELEGANS.—Soft pink color. Pkt. 5c.

PANICULATA.—White. Pkt. 5c.

**FOXGLOVE**

A showy perennial; a general favorite and now planted extensively for permanent backgrounds, borders and clump effects. Splendid for harmonizing with plantings of shrubs and thrives in any ordinary garden soil.

MIXED COLORS.—Old-fashioned sort. Pkt. 3c.

GLOXINIAFOLIA.—Is an improved strain growing 4 to 5 ft. high, producing large gloxinia-like flowers of many shades and markings. More robust than ordinary sorts. Pkt. 5c.

MONSTROSA MIXED.—A distinct type, the striking feature of which is that a large bell-shaped blossom tops each spike. Pkt. 10c.



GAILLARDIA GRANDIFLORA

GAILLARDIA

The Blanket Flower. Exceedingly beautiful annuals, making very showy plants, 1 to 2 feet high. Grown in mass are especially effective.

PERFECTION.—Improved sort, producing a very double flower, round as a perfect ball, in most varied and pleasing colors. Flowers are borne on long slender stems and when cut keep for over a week. Pkt. 5c.

GRANDIFLORA.—A splendid new perennial variety, with very large flowers, dark crimson centers, marked with rings of many brilliant colors; makes a nice showing in yard. Per pkt. 10c.

GLADIOLUS

Well known flower; is easily grown from seed, and we would like to have all our customers try raising them in this way. This seed is of our own growing, from the best varieties and will produce an assortment sure to please. It blooms the second year from seed. Pkt. 8c.

Gladiolus Bulbs in choicest named sorts and mixtures listed on page 87 of this catalogue.



GLADIOLUS



DOUBLE ANNUAL HOLLYHOCK

LYCHNIS

HAAGEANA MIXED.—A perennial variety from Japan, though mostly grown as annuals. Colors range from white through shades of orange, pink and red to deep crimson. Grows 12 to 18 in. Large heads of showy flowers. Pkt. 10c.

CHALCEDONICA.—Old favorite scarlet sort growing about 3 feet high. Pkt. 5c.



AMERICAN BANNER LARKSPUR

HOLLYHOCKS

No garden flower is more showy or admired. Start seeds in a box in the house in February or March; about May 1st transfer to a permanent place in the garden. Will produce elegant spikes.

EVERBLOOMING ANNUAL.—One of the most showy of garden flowers; desirable for massing, borders and backgrounds. This fine variety may be started in the house in March or April, set out in May and comes into bloom in July; will bloom until killing frosts in fall. Our seed may be sown in the open ground in May and blooms in August. Of vigorous growth, from 5 to 8 feet high, according to soil, and stalks are fairly loaded with large flowers, sometimes 5 inches across. These are of a great variety of colors, crimson, canary, yellow, pink, white, maroon, black, scarlet, etc., some of them beautifully veined and marked; double, semi-double and single. Pkt. 10c; ¼ oz. 35c; oz. \$1.

CHATER'S PRIZE DOUBLE MIXED.—Magnificent double flowers 3 to 4 in. across, and all of the brightest colors; flowers quite as beautiful and perfect as those of the camellia; they are massed completely around spikes. A mixture of 17 prize varieties, including all colors and shades. Pkt. 10c.

ALLEGHENY MAMMOTH FRINGED.—An entirely distinct variety. Flowers are single, double and semi-double, of fine form and rich colors. Splendid for the border or for the hardy garden. Pkt. 5c.

FINE MIXED.—Good variety. Pkt. 5c; ¼ oz. 25c; oz. 75c.

LINUM

GRANDIFLORUM RUBRUM.—(Scarlet Flax.)—One of the most showy annuals for flower beds and masses; brilliant, crimson scarlet flowers, 1 inch across, in wonderful profusion. Pkt. 5c; ¼ oz. 15c; oz. 50c.

PERENNIAL.—A beautiful hardy perennial sending up numerous stems, clothed with a small, almost hair-like foliage. At tips of branches are poised large blossoms of blue, white and yellow flowers. Pkt. 5c; ¼ oz. 15c; oz. 50c.

LUPINUS

MIXED WHITE VARIETIES.—Strong growing garden annuals, with innumerable spikes of flowers of various colors. Pkt. 5c.

LOBELIA

ERINUS.—A handsome trailing annual with blue flowers. Excellent for vases and hanging baskets. Pkt. 5c.

COMPACTA.—A dwarf variety for bedding. Flowers a darker blue shade than above and cover the plant, making an exceptionally fine plant for carpet bedding and borders. Pkt. 10c.

LARKSPUR

Old and well known hardy annual. Flowers are borne in compact spikes and are showy and desirable for any situation. Sow early in open ground.

AMERICAN BANNER.—The hand-somest flower in the entire catalogue. The only flower we know of which combines the national colors—red, white and blue—in each flower. It grows to a height of about two feet, and is fairly loaded with long spikes of double striped and blotched flowers. Pkt. 10c; ¼ oz. 25c; oz. 75c.

DWARF GERMAN ROCKET.—Mixed colors. Pkt. 5c; ¼ oz. 15c; oz. 40c.

TALL GERMAN ROCKET.—Mixed colors. Pkt. 3c; ¼ oz. 15c; oz. 40c.

PERENNIAL LARKSPUR

(Delphinium.)

ELATUM HYBRIDUM.—The perennial larkspurs are most showy and useful in permanent plantings, as they produce splendid spikes of flowers all summer. Perfectly hardy and will bloom first year from seed if sown early. Mixed colors. Pkt. 5c.

ELATUM FLORE PLENO.—The double-flowered, large-growing sorts in mixture. Pkt. 15c.

HYBRIDUM NANUM.—Semi-dwarf type of the single-flowered perennial larkspurs. Mixed colors. Pkt. 10c.

NEW
MAMMOTH
FLOWERING
HELIOTROPE**HELIOTROPE**

A great favorite with all lovers of flowers for their beauty and fragrance; are well suited for beds or borders, where they will bloom in summer, and may then be carefully potted and cut back for winter blooming. All should try raising these from the seed and obtain a nice assortment.

CALIFORNIA MAMMOTH.—A grand new variety producing immense flowers. Pkt. 10c.

MIXED VARIETIES.—The common sorts. Pkt. 5c.

HIBISCUS

A branching plant of easiest culture, with large, exceedingly showy blossoms. Hardy annual, 2 feet high.

CRIMSON EYE.—A robust grower, with dark red stems and foliage. The flowers of immense size, often measuring 20 inches in circumference, pure white, with large spot of deep velvety crimson in center. Blooms first year from seed. Succeeds anywhere. Pkt. 5c.

GOLDEN BOWL.—It produces enormous flowers 5 to 6 inches across, of canary color, with large black center. Pkt. 5c.

ICE PLANT

A handsome and curious plant for hanging baskets, rockwork and vases. The leaves and stems appear as though covered with ice-crystals. The whole plant is peculiarly brilliant in sunshine. The flower is white and pink. Pkt. 5c.

LANTANA**BRAZILIAN BEAUTY.**

—Specially fine strain consisting of a mixture of choicest flowered sorts. Pkt. 10c.

MIXED COLORS.—Greenhouse perennial. Makes a fine bedding or pot plant; easily grown from seed. Pkt. 7c.



LOBELIA

BRAZILIAN
BEAUTY LANTANA

ICE PLANT

EVERYONE ADMIRES THE STATELY GROWTH AND BRILLIANT FLOWERS OF THE HOLLYHOCK



STRIPED
JAPANESE MAIZE

MIGNONETTE

SWEET SCENTED.—The fragrance of the Mignonette makes it indispensable for bouquets and cutting. Sow seed early in garden and they will commence blooming the first of June. Pkt. 3c; oz. 15c.

ALLEN'S DEFIANCE.—Valuable variety with mammoth spikes 12 to 15 inches long, more fragrant than any other. Florets of immense size and the cut flower frequently keeps three weeks. Pkt. 10c.

MACHET.—Spikes are large. Specially fine for cutting, and is quite generally grown by florists. Makes a very pretty and deliciously fragrant pot plant. A distinct variety of great merit. Vigorous dwarf growth; spikes of deliciously scented red flowers. Pkt. 5c; ¼ oz. 15c; oz. 50c.

BUSH MORNING GLORY

A decidedly showy dwarf growing spreading sort bearing a profusion of the most richly colored, striped, blotched and variegated flowers about as large as a silver dollar. Bloom throughout season, are easily grown and most satisfactory flowers for borders or growing in masses. Many choice varieties mixed. Pkt. 5c; oz. 20c.

NICOTIANA

AFFINIS.—Of all varieties of tobacco which are grown for their sweet-scented flowers this is the best. The plant is literally covered with large, white, star-shaped flowers which, after being cut, will remain perfect for a week. A few plants will perfume the whole yard or garden. Pkt. 5c.

SANDERAE HYBRIDS.—A grand novelty and will delight flower lovers. The Sanderæ is of a beautiful rosy carmine color and blooms freely. These new hybrids have also the various shades of purple, pink, red, salmon, violet and white. Grows about two feet high, branches freely and is fairly loaded with flowers which are open all day instead of being a night bloomer like some other sorts. Sow seeds early in the house and transplant in May to the open ground. Mixed colors. Pkt. 10c.

OENOTHERA

(Evening Primrose.)

Blossoms fully expand only toward and during evening. Three to four inches across. Hardy annual. Mixed white and yellow. Pkt. 5c.

STRIPED JAPANESE MAIZE

(Rainbow Corn.)—Offered as a novelty by some seedsmen. An ornamental foliage plant of rapid growth, giving immediate effect, and attractive in any garden. Grows 5 to 6 feet high and has alternate foliage, the leaves being very long and 2 to 3 inches wide. Variegation does not begin to show until the fourth or fifth leaf, when leaves become striped with broad bands of white, changing soon to narrow stripes or ribbons of alternate clear white and brightest green, occasionally showing faint tinges of pink or rose color at the edges. Leaves are waxy and gracefully recurved. Desirable for groups or ribbon beds, or back border to a lawn. Illustration which is shown herewith does not do it justice. Pkt. 5c, oz. 15c.



MACHET
MIGNONETTE



BUSH MORNING GLORY



NICOTIANA



ELDORADO MARIGOLD



MIMULUS TIGRINUS

NIGELLA

(Love in the Mist.)

MIXED COLORS.—Hardy annuals about one ft. high; fine cut leaves and handsome flowers. Blooms early. A very pretty flower, and one our customers should try. Double flowers, blue, white and purple, beautifully veiled with feathery, delicate appearing foliage. Pkt. 4c; ¼ oz. 10c; oz. 25c.

MISS JEKYLL.—A large and profusely blooming variety with bright sky-blue flowers and fine fern-like foliage. Somewhat taller than ordinary kinds. Per pkt. 10c; ¼ oz. 20c; oz. 60c.

MARIGOLD

Marigolds have for many years been a general favorite for planting in mixed beds and informal gardens, as they produce such great numbers of brilliant colored flowers that they are always a bright spot wherever planted.

AFRICAN.—This old favorite has been greatly improved in size and doubleness of its flowers. Double mixed. Pkt. 3c; ¼ oz. 10c; oz. 30c.

DWARF FRENCH.—Double, mixed colors. Pkt. 3c; ¼ oz. 10c; oz. 30c.

LEMON QUEEN.—A charming new variety producing large bell-shaped flowers of clear lemon or canary yellow color, making them closely resemble large double yellow dahlias, only produced more abundantly on longer stems. It blooms early and continuously. Pkt. 5c.

ELDORADO.—Immense flowers, 9 to 14 inches around; double; primrose, lemon, orange and golden shades. Three feet high. Pkt. 5c.

MYOSOTIS, OR FORGET-ME-NOT

The dainty little blue Forget-Me-Not is always appreciated, as it always involuntarily forces to our mind kindly remembrance. Just to see their modest loveliness makes the day brighter and turns our thoughts to pleasant channels.

PALUSTRIS.—True Forget-Me-Not. A perennial. Blooms first year from seed. Pretty plants with neat little star-shaped blue flowers. Pkt. 5c.

VICTORIA.—The best variety for pot culture. Dwarf, globular habit; beautiful sky-blue flowers with center double. Per pkt. 7c.

MIMULUS

TIGRINUS.—(Monkey Flower.)—There are a wide range of colors in Mimulus Tigrinus. They are spotted scarlet, crimson and pink on yellow or white grounds and offer striking contrasts that are sure to please. Very showy and free flowering. The hardy kinds are well suited for outdoor culture. Any common soil suits. Mixed sorts. Pkt. 10c.

MOSCHATUS.—Well known musk plant; quite pretty, and has a strong musk fragrance. If better known this we are sure would be more grown as the odor is pleasant and it is nice for pot culture. Pkt. 5c.

"HOME FLORICULTURE"

For Amateur Flower Growers
FREE TO CUSTOMERS

Tells how to plant seeds, kind of soil and situations best adapted to their growth, how to care for field and house plants. By Chas. N. Page, President of the Iowa Seed Co., from 40 years experience in growing flowers. A paper bound copy will be given free if you order \$2.00 worth of goods and ask for the book.



MISS JEKYLL NIGELLA

NASTURTIUMS

These may well be classed among our most showy and handsome annuals. They are of very easy culture, and make a continuous show of bloom. The following are the best varieties:

AURORA.—A magnificent variety of new color. The plant forms a perfect globe and is literally covered with flowers, completely hiding the foliage when in full bloom. The flower is of deep chrome yellow, lower petals blotched with purplish carmine; finely marked with bright carmine veining. Pkt. 5c; oz. 15c.

BEAUTY.—An extra fine dwarf variety. Handsome scarlet flowers splashed with canary yellow. Pkt. 5c, oz. 10c.

DWARF CHAMELEON.—The flowers of this new Tom Thumb nasturtium are in color crimson, gold and bronze, bordered and flamed, changing in hue almost daily, hence named "Chameleon." No variety could be more satisfactory, and as our crop was good we have reduced price this year. Pkt. 5c, oz. 15c.

GOLDEN QUEEN.—Foliage of clear, bright yellow color. It is of dwarf, compact habit; flowers yellow. Pkt. 5c, oz. 15c.

EMPRESS OF INDIA.—Of dwarf, bushy habit, the leaves of a dark, purplish blue color, making a suitable background for the brilliant crimson-scarlet flowers, its profusion of bloom and richness of color are remarkable. Pkt. 5c, oz. 15c.

LADYBIRD.—Of dwarf, neat, compact habit of growth. Flowers rich golden yellow, each petal barred with bright ruby crimson. Pkt. 5c, oz. 10c.

KING THEODORE.—The darkest color in nasturtiums, deep scarlet maroon. Pkt. 5c, oz. 15c.

PEARL.—Charming dwarf white sort. Pkt. 5c, oz. 10c.

DWARF LILLIPUT.—A most charming and distinct new strain of very dwarf compact growth that originated from the tall *Trapezium Lobianum*. Plants of smaller size than the well-known Tom Thumb Nasturtium, growing in closely compact form, while the flowers and rounded light green leaves are smaller in size. The perfect flowers are so numerous that they come through the foliage in clusters, embracing many new and beautiful colors. Pkt. 5c, oz. 20c.



GOLDEN BLOTCHED.—Unique and beautiful foliage, the green leaves being blotched with bright golden yellow in such manner as to present a pleasing and attractive appearance. Pkt. 5c, oz. 10c.

GOLDEN MIXED.—A mixture of many shades and markings of the yellow leaved varieties, offering a harmonious blending of bright colors. Pkt. 5c, oz. 10c.

PRINCE HENRY.—A beautiful flower of light yellow, marbled and striped with bright scarlet. Pkt. 5c, oz. 10c.

IVY LEAVED DWARF MIXED.—Charming new type of nasturtium differing in foliage from the ordinary kinds, but retaining the same gorgeous coloring and profusion of bloom. Pkt. 5c, oz. 20c.

IMPERIAL MIXED.—Includes about twenty of the best dwarf varieties, both American and foreign. They are so selected that the colors harmonize beautifully and delight flower lovers. Of neat, compact habit of growth, and bloom freely when planted in beds, producing a mass of colors. Pkt. 5c, oz. 15c, 1 lb. 50c.

DWARF VARIETIES MIXED.—A nice mixture of colors of this free blooming class. We grow large quantities and can make a low price. Pkt. 3c, oz. 10c, 1 lb. 20c, 1 lb. 65c.

DWARF VARIEGATED LEAVED.—A splendid new type of dwarf nasturtiums offered as presenting the most varied and divergent coloring. Not only are the flowers of the many shades and brilliant hues of the ordinary sorts but the foliage by the mottled and striped markings of green, white and golden yellow, afford additional range of beauty. Pkt. 10c, oz. 20c.

BUTTERFLY MIXED.—A special strain of the choicest sorts. Each plant a blaze of color. Specially chosen for our discriminating customers. See colored plate on back cover. Pkt. 10c, oz. 25c.

CLIMBING NASTURTIUMS

MADAM GUNTER'S HYBRIDS.—Climbers and free, continuous bloomers. Color of flowers is most gorgeous, ranging from white through all the shades of pink, red, carmine, crimson, salmon, golden yellow to deepest brown and maroon—nearly black—all striped, shaded and blotched in an indescribable manner. Pkt. 5c, oz. 15c, 1 lb. 45c.

JUPITER OR SUNLIGHT.—Attracts instant attention by the great size, exquisite form and rich color of the flowers. The flowers measure $\frac{3}{4}$ to $\frac{3}{2}$ inches in diameter, the petals $1\frac{1}{4}$ inches across. Blossoms have a most beautiful crinkled, crepe-like look; color is a splendid, rich, brilliant yellow. Pkt. 5c, oz. 15c.

NAPOLEON III.—Beautiful climbing variety with golden yellow flowers striped with rosy scarlet. Pkt. 5c, oz. 15c.

LOBB'S NASTURTIUM.—These are much superior to the ordinary tall nasturtiums in brilliancy of flowers, height, rapid growth. All best named sorts, mixed. Pkt. 5c, oz. 15c.

TALL VARIEGATED LEAVED.—Each leaf variegated in a striking manner and this variegated foliage in contrast with the many different shades and markings of the flowers produces bewildering beauty of mingled colors that will delight the eye. Mixed colors. Pkt. 5c, oz. 15c.

TALL VARIETIES MIXED.—Pkt. 3c, oz. 10c, 1 lb. 20c, 1 lb. 65c.

KALEIDOSCOPE.—Some are of clear yellow, orange, pink and creamy white, others are blotched, striped or bordered with rich contrasting shades. Of a strong, vigorous trailing or climbing growth and can be grown on the ground or trained up on a trellis. Specially suitable for growing over stumps, rocky or low fences and if well grown will produce immense number of flowers. Pkt. 10c, oz. 30c.

CAPRICE.—A charming novelty; flowers of changeable colors. A single plant frequently showing a dozen different colors or markings. Pkt. 10c, oz. 35c.

KING OF THE BLACKS.—A very handsome climbing sort with flowers of very rich dark brown, almost black. Pkt. 5c, oz. 15c.

IVY LEAVED PERFECTION.—This unique and most beautiful climbing nasturtium is different from others in foliage and flowers. Plants of running growth, star-like leaves of rich green veined with white. Flowers are of medium size, intense glowing scarlet in color, and of most distinct form. Pkt. 10c, oz. 15c.

SPITFIRE.—A most brilliant new variety of bright cardinal red. Most glowing color. Pkt. 5c, oz. 15c.



IMPERIAL MIXED

SPECIAL NASTURTIUM OFFER

17 DWARF KINDS

One pkt. of each of dwarf sorts named in above list for 60 cents, postpaid.

11 CLIMBING KINDS

One pkt. of each of climbing sorts named in list below for 45 cents, postpaid.



MADAM GUNTER'S HYBRIDS

LOVELY PANSIES

Pansies are a specialty with us, and we use the greatest care in growing and importing the best strains. Circular giving full directions for growing pansies sent free if requested. Packets contain 100 to 250 seeds.

FANCY STRIPED.—(No. 1.)—A beautiful variety from Belgium, with good sized flowers, striped and mottled in various tints on contrasting ground colors. Pkt. 15c.

IMPROVED MADAM PERRITT, or Wine Shades.—(No. 2.)—When traveling in England we found this charming novelty growing on the grounds of a leading specialist, who had been selecting and hybridizing the finest large-flowering sorts, having the richest, most velvety wine shade in some part of the flower, but there were fully 75 distinct varieties in the collection. Said to be the most fragrant of all pansies. Pkt. 20c.

EXHIBITION PRIZE.—(No. 3.)—A fine new strain of beautiful large-flowered pansies of lovely texture and beautiful colors. Produced from prize-winning strains from the great pansy shows of the entire world. Pkt. 15c.

NEW RAINBOW.—(No. 4.)—The best novelty in pansies and the most charming variety ever sent out. We consider the name appropriate owing to its beautiful iridescent colors. In a good-sized bed are a hundred different varieties but not a poor one nor an inferior. Flowers of large size and perfect in form, nearly circular and have a rich, velvety appearance; will delight "pansy fanciers." Pkt. of 100 seeds 20c; ¼ oz. \$4.00; oz. \$12.00.

MAMMOTH BUTTERFLY.—(No. 5.)—A pansy of matchless forms, colors and markings with flowers half as large again as ordinary pansies. Pkt. 10c.

AMERICAN GIANT.—(No. 6.)—A prominent pansy specialist in years of careful, painstaking labor in hybridizing and selecting a strain of pansies which would be superior to any in existence, has produced this extraordinarily fine strain which is of such strong, robust, luxuriant growth and produces such magnificent immense flowers, almost a superior race of pansies. Comprise practically all shades, colors and markings known in pansies including the Giant Bugnots, Cassier's and the large-flowered sorts from France, Germany, England, Holland and other countries. Also a strain of curled and ruffled pansies which appear double. Pkt. 15c. ¼ oz. \$2.50, oz. \$8.00.

FINE MIXED.—Consists of many good sorts. Pkt. 5c. ¼ oz. 35c, oz. \$1.00.

AN ATTRACTIVE OFFER

An opportunity to procure the choicest types of pansies separately, or if you mix them yourself you are assured of the very widest range.

One packet each of the 8 illustrated mixtures, the finest assortment ever offered, \$1.00.



MASTERPIECE.—(No. 7.)—(Also offered under the names Superbissima and Germania.)—This superb new pansy is distinct from all others in form of flowers, the border of every petal being conspicuously undulated and curled, giving flowers appearance of a double pansy. Flowers very large. Pkt. 10c.

INTERNATIONAL MIXTURE.—(No. 8.)—Is a mixture consisting of a grand assortment from the world's leading specialists in Scotland, France, Belgium, Germany, Switzerland and America. If you like pansies you must have the International Mixture. Pkt. 15c. ¼ oz. \$3.00, oz. \$10.

IMPERIAL GERMAN MIXED.—Magnificent flowers of richest hues, one of our most popular sorts and of high standard of excellence. Pkt. 10c. ¼ oz. \$1.00, oz. \$3.50.

LARGE FLOWERING MIXED.—Pkt. 5c. ¼ oz. 75c, oz. \$2.75.

CASSIER'S GIANT ODIER.—Flowers of immense size, and are of the popular Odier type, being all three-spotted or five-spotted on backgrounds of very rich colors. The flowers are of good substance and fine form, of most compact growth. Pkt. 15c.

ENGLISH FACE.—A popular variety in England. Many of the flowers distinctly marked with a "face." Mixed. Per pkt. 10c.

GIANT TRIMARDEAU.—Flowers of very large size, some have measured 4 inches in diameter. Each flower marked with three large blotches or spots and stands well above foliage. Choice mixed colors. Pkt. 10c.

AZURE BLUE.—A very fine shade of sky-blue. Pkt. 5c.

FIRE KING.—Very distinct and striking. Upper petals of bright red, of really a fiery shade, warranting the name. Pkt. 10c.

GOLDEN YELLOW.—Best of yellow varieties. Fine as a contrast. Pkt. 5c.

KING OF BLACKS, or Faust.—Flowers very dark, almost black. Pkt. 5c.

LORD BEACONSFIELD.—Fine large flowers of deep purple violet, shading off in the petals to a white hue. Pkt. 5c.

MAHOGANY.—A beautiful, rich, mottled mahogany color. Pkt. 5c.

PEACOCK.—Named Peacock because upper petals of flower resemble in color the peculiar shade seen only in feathers of the peacock, a beautiful ultra-marine blue. Petals edged with a thin white line, within which is purplish crimson passing into a rich central blotch of blue, shading to black. Pkt. 10c.

QUADRICOLOR, or Pheasant's Eye.—Upper petals sky blue edged with violet; lower petals spotted and marbled. Pkt. 5c.

SNOW QUEEN.—Flowers of a delicate, pure satiny white, handsome and attractive. It shows finely in beds or for cut flower work, and beautiful for cemetery use. Pkt. 5c.

VIOLET SCENTED, or Tufted Pansies.—A cross between the pansy and violet, with the delicious fragrance of the latter; mixed colors. Pkt. 10c.

SPLENDID PETUNIAS

No garden is complete without a bed of elegant petunias. They commence flowering early and continue a mass of bloom throughout the whole season, until killed by frost; are easily cultivated, requiring rich soil and a sunny situation. Of late the single striped, mottled and double varieties have been greatly improved, and the cut gives but a faint idea of their great variety and beauty. Double varieties require care and should be started in the house.

EMPEROR.—The largest petunias in the list. Monstrous flowers fully five inches in diameter of the bell, and of unsurpassed colors and markings. Very fine for massing or sowing in wild borders. Pkt. 15c.

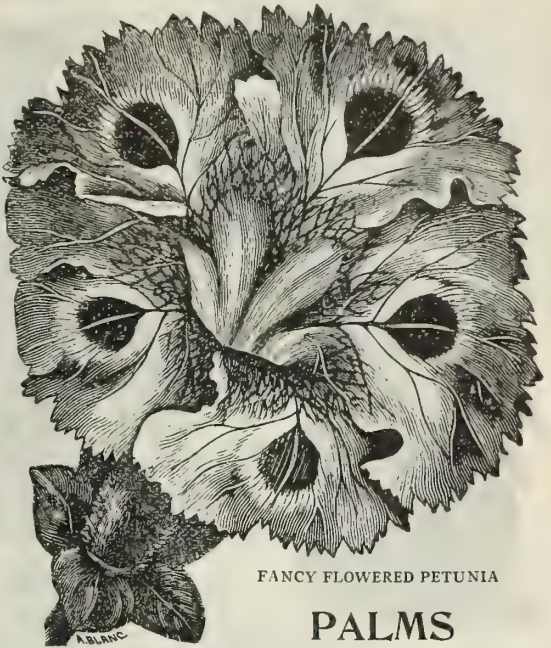
GIANT FANCY FLOWERED.—A grand new strain and the finest selection of petunia in existence, of incomparable beauty, size and luxuriance. Most of the flowers are exquisitely ruffled or fringed on edges, and of enormous dimensions (4 to 5 in. across), unlimited varieties of colors, markings, veinings, blotchings and stripings, in the most grotesque and beautiful combinations; with deep throats of carmine yellow, white, black, green or maroon, running off into intricate veins. Some colors are rich and gorgeous, others are of lovely delicate shades. If you like beautiful petunias be sure to include this in your order. Produces very little seed and will always be high in price. Worth double its weight in gold. Pkt. 25c.

DOUBLE INIMITABLE.—Splendid mixture. Our seed is the best German grown, and will produce about 25 per cent of fine double flowering plants. Pkt. 25c.

LITTLE PET.—One of the prettiest little flowers we saw in looking over the thousands of acres of flowers in Germany, France, and other countries of Europe were these small flowered, compact growing, free blooming petunias. Round, bushy little plants about 8 in. high, covered for months with beautiful flowers which are widely open and always look so fresh, bright and beautiful that the ladies "just love them." Most of the flowers have a distinct five-pointed star in the center and they are of a great variety of colors. Pkt. 10c.

GRANDIFLORA MIXED.—Very large, elegant flowers; a great improvement and fully twice the size of the old sorts, with most beautiful shades of crimson, white, rose, maroon, etc., blotched, striped, veined, marked and fringed. Per pkt. of 200 seeds 10c.

FINE MIXED.—Best of older varieties. Extra fine striped and blotched sorts. Pkt. 5c; ¼ oz. 15c; oz. 50c.



FANCY FLOWERED PETUNIA

PALMS

These for centuries past have been exclusively for the rich, the plants usually selling at \$3.00 to \$100.00 each. It is now known, however, that they are easy to grow from seed. Directions printed on packets.

PHOENIX DACTYLIFERA.—Native of northern Africa; beautiful for pot culture, and very hardy. This palm produces the date of commerce. Pkt. of 10 seeds 5c.

WASHINGTONIA FILIFERA.—It stands dust, dry air and lack of sunshine. Its fan-shaped leaves fringed with long thread-like filaments. Pkt. of 12 seeds 5c.

UMBRELLA PALM.—(Cyperus)—See description with aquatic plants. Pkt. of 100 seeds 10c.

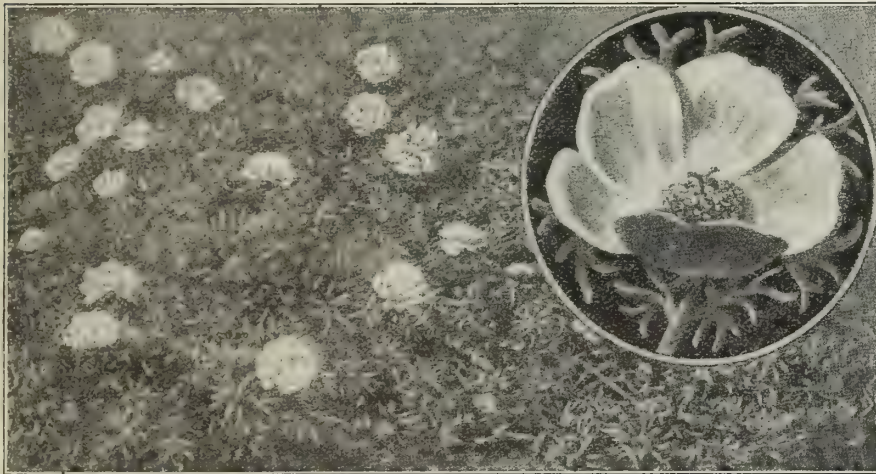
LATANIA BORBONICA.—This is the typical palm, is more largely used than any other; of strong and healthy habits; very desirable for house culture. Pkt. 6 seeds 10c.

CHAMAEROPS EXCELSA.—One of the very best plants for house culture in cool climates, and standing ill usage remarkably well. Pkt. of 10 seeds 10c.

BANANA PALM.—(Musa Ensete)—The leaves very long and broad; green, with crimson midrib. Pkt. of 3 seeds 10c.

SPECIAL GRAND OFFER.

One packet of each of the six elegant varieties of Palms mentioned above only 35c.



PLANT OF DOUBLE PORTULACCA

FLOWER OF SINGLE PORTULACCA

BRILLIANT COLORED PORTULACCA

DOUBLE MIXED.—This old favorite is one of the brightest blossoms in the entire list and makes a lovely little plant to cover up the bare spots in beds of taller growing plants. The flowers are double as a rose, brilliant with many shades of color, white, yellow, crimson, scarlet, pink and all blooming brightest at mid-day and of afternoons. The dainty blossoms are splendid to add the little touch of color among the fruits on the dinner table. Pkt. 10c.

GRANDIFLORA SINGLE MIXED.—An old favorite sometimes known as rose moss. It forms a brilliant, striking bed of color on bright sunny days, and blooms brightest in the mid-day hours when other flowers are drooping. Very dwarf, low-growing plants, forming a mat on the ground. We offer a splendid mixture. Pkt. 5c; ¼ oz. 15c; oz. 50c.

PENTSTEMON

FINEST MIXED.—Hardy perennial; sown early they will bloom first year. Of graceful growth with many spikes of Gloxinia-like flowers 2 inches across; of crimson, white, rose, purple, etc., beautifully edged and marked; blooms June to October. Give rich soil and good culture. Pkt. 10c.

PYRETHRUM

GOLDEN FEATHER.—Beautiful golden-leaved foliage plants of special value for borders and ribbon beds. Pkt. 5c.

ROSEUM.—It is from this that Persian Insect Powder is made. Flower large, yellow and rose colored. Pkt. 8c.



PENTSTEMON



LATANIA BORBONICA PALM



PHLOX DRUMMONDI

If we could have but one flower for our garden that one would be the Phlox. Its brilliant shades of color, ranging from clear white to brilliant scarlet, make an almost dazzling show; continually in bloom.

All varieties which we offer, except the common mixed, are of the large-flowering grandiflora class.

FIRE BALL.—Brilliant, dazzling scarlet; very handsome dwarf; compact. Pkt. 5c; $\frac{1}{4}$ oz. 35c; oz. \$1.25.

GRANDIFLORA ALBA.—Pure white, very large flowers, constantly in bloom. Pkt. 5c; $\frac{1}{4}$ oz. 30c; oz. \$1.00.

CUSPIDATA OR STAR.—Petals run out in little spines, giving the flowers a beautiful effect. Many colors. Pkt. 5c.

DOUBLE PEARL.—A grand variety, introduced by us in 1888. By constant selection we have it so that almost every plant produces handsome, double, pure white flowers. It is very pretty, and will prove a splendid acquisition for bouquet work. Pkt. 10c.

DOUBLE MIXED.—A mixture of double flowering sorts, equal in range of color and beauty to our Grandiflora strain. Preferred by many because of the double florets. Pkt. 10c.

PRIMROSE

CHINESE.—Desirable plants for growing indoors, being in almost constant bloom all winter, and if transferred to the border will bloom nearly all summer. Though perennial, new plants will flower more freely, and seed should be sown every year. Start under glass. Mixed colors. Pkt. 15c.

FORBESII.—(Baby Primrose.)—A wonderfully free blooming little plant, covered with a mass of small flowers, especially during winter. Pkt. 10c.

OBONICA.—(Everblooming Primrose.)—A favorite on account of its great blooming qualities, flowering nearly all the year through. Mixed colors. Pkt. 10c.



This grand old flower has kept pace with the march of improvement and now surprises us with its new forms, new sizes and new colors.

ROSY MORN.—Is really superb. Flowers are extremely double and of good size, forming perfect balls of unique and beautiful shade of rose—a new and distinct color in poppies; of easiest possible culture, belonging to the annual paeony flowered section. Pkt. 7c.

SHIRLEY.—A new single. In color from the purest white through the most delicate shades of rose, pink and carmine to the deepest crimson. Pkt. 5c; $\frac{1}{4}$ oz. 10c; oz. 30c.

AMERICAN FLAG.—Flowers extra large, very double, snow white, bordered with scarlet, thus making an extra choice, very showy variety, that should be popular. Pkt. 5c.

DOUBLE CARNATION.—Splendid assortment of best double carnation flowered sorts. The most popular variety and will make attractive bed. Pkt. 3c; $\frac{1}{4}$ oz. 10c; oz. 20c.

SANTA ROSA MIXED.—Improved from Shirley poppy; unusually large flowers of remarkably clear colors, including new striped salmon and blush shades. Petals beautifully crumpled. Pkt. 8c; $\frac{1}{4}$ oz. 15c; oz. 50c.

PAEONY FLOWERED.—Is a robust variety growing about 2 ft. high; bears very large flowers, round, smooth, double, and of exceeding brilliancy. Mixed colors. Pkt. 5c.

ANNUAL VARIETIES MIXED.—Pkt. 3c; $\frac{1}{4}$ oz. 10c; oz. 20c.

PERENNIAL POPPIES

ORIENTAL HYBRIDS.

For brilliancy of color, nothing to equal these Oriental Poppies. The flowers are of enormous size, often measuring over 6 inches in diameter; colors range from soft flesh and rose to the most brilliant dazzling scarlet and richest maroon purple. Perfectly hardy perennials, living through winter with but little protection, increasing in size and beauty every year. Pkt. 10c.

ICELAND.—Flowers the first year from seed. Colors from purest white to deepest orange scarlet; delicious fragrance. Pkt. 10c.

POPPIES





RICINUS CAMBODGIENSIS

FAIRY ROSES

These remarkably beautiful little roses are very easily grown from seed. The roses are only about an inch across, usually semi-double, and seldom single; they are borne in large clusters and are of many colors. What is most remarkable, these Fairy Roses grow only 10 to 15 in. high, commence blooming a few weeks after seed is sown and continue from May until frost. Nice for pot plants for winter blooming. Pkt. 10c.

SCABIOSA

DOUBLE DWARF MIXED.—One of our handsomest border plants, producing in great profusion very double flowers in a variety of shades and colors; splendid for table bouquets, etc.; rapidly becoming popular because of striking beauty in form and color. Pkt. 5c; ¼ oz. 15c; oz. 40c.

SENSITIVE PLANT

Very pretty and curious plant, its leaves closing when touched. The seeds start slow and it is best to start them in boxes; cover shallow and see that they do not dry out; it makes a good house plant for winter, and always pleases the children. Pkt. 5c.

SHASTA DAISY

ALASKA.—One of the most marvelous productions in the flower line that has ever been brought to the notice of floriculturists. Can be grown out of doors by anybody where it is not cold enough to kill oak trees. It is perennial, blooming better and more abundantly each season. The flowers are extremely large and graceful, averaging about four inches in diameter with three or more rows of petals of the purest glistening whiteness, and borne on single, stiff, wiry stems nearly two feet long. Pkt. 10c.

SHELL FLOWER

Robust and easily grown, 2 to 3 feet high, sending up a strong central stem with numerous branches, each surrounded by flowers. Strong fragrance of balm when cut. Pkt. 10c.



SHASTA DAISY

RICINUS

Castor oil plant. Stately foliage plants. Make a very handsome appearance on the lawn singly; fine for clumps or ornamental hedges. Said to keep out moles.

CAMBODGENSIS.—A beautiful plant growing to a height of 8 feet, of most stately, majestic, tropical appearance. Has large palm-like leaves of darkest reddish maroon, covered with a bright bronzy luster, while the main stalk and leaf stems are ebony black. Leaves have large red veins which add to the beauty. The fruit is fiery red. It is unexcelled as a decorative plant for lawn or garden. Seed will always be scarce and high. Pkt. of 10 seeds 5c; oz. 30c.

ZANZIBARENSIS.—Grows to a height of 12 to 14 feet, with leaves 2 to nearly 4 feet across. A handsome specimen plant for lawns. The different varieties included in our mixture have light and dark green leaves and some coppery bronze, changing to dark green, with reddish ribs. Pkt. 5c; oz. 15c.

SANGUINEUS.—Blood red stalk; very attractive. Pkt. 5c; oz. 15c.

MIXED VARIETIES.—Mixtures of the above and many other choice varieties. Pkt. 3c; oz. 10c.

COMMON.—The ordinary Castor Bean of commerce. Pkt. 3c, oz. 10c, lb. 50c.

SALPIGLOSSIS

One of the most beautiful of flowering annuals, forming strong, bushy plants about 18 inches high, bearing through the season large flowers 3 to 4 inches across; many beautiful colors. Sometimes called Painted Tube Tongue.

NEW VARIEINED.—Much larger than the common Salpiglossis. Surface is soft and velvety and wealth of color marvelous, ranging from pure white to dark yellow, dark red and purplish black, including light and dark blue, velvety plum color, maroon, crimson, dark brown, golden and lemon yellow, white, dark purple, black, brilliant scarlet, with all the shades between beautifully veined and mottled. Blooms all summer and till frost. Pkt. 10c.

CHOICE MIXED.—A splendid range of color. Pkt. 5c; ¼ oz. 20c; oz. 60c.

SALVIA

SPLENDENS.—One of the most brilliant of flowers; it thrives in any light, rich soil; often called flowering sage.

Free bloomers. Brilliant scarlet. Is very fine. One of the most satisfactory of all bedding plants. Pkt. 5c; ¼ oz. 50c.

MRS. C. N. PAGE.—Dwarf, free blooming sort. Much earlier than Splendens; brighter color. Nothing makes such a brilliant show as a bed of Salvia; is especially fine for bordering canna beds. Introduced by us. Pkt. 15c; ¼ oz. \$1.00.

FAIRY ROSES

SCABIOSA

ALBINO

MRS. C. N. PAGE SALVIA

STOCKS

Sometimes called Gilliflowers. These popular flowers are easily grown, and are so highly fragrant and of such great beauty, and have so many good qualities, that they deserve a place in every garden. Give good rich soil. They will reward good treatment with remarkable pyramids of bloom.

PERPETUAL WHITE.—(Princess Alice or Cut and Come Again.)—Strong growth, of fine branching habit, and if sown early will bloom from May to November. Flowers very large and pure white; the more they are cut the better they like it. Deliciously fragrant. Pkt. 10c.

PERPETUAL MIXED.—A mixture of colors of the continuous blooming types of perpetual stocks. Splendid selection of seed; choicest strains. Pkt. 10c.

LARGE FLOWERING DWARF GERMAN.—Most popular flower with our German customers. Our mixture contains a great variety of colors. Pkt. 5c; ¼ oz. 35c; oz. \$1.00.

STOKESIA

A beautiful plant sometimes known as Cornflower Aster; blooms from July to October; blossoms look like Centaurea; beautiful blue lavender color. Pkt. 5c.



PERPETUAL WHITE STOCKS



SWEET WILLIAM

SINGLE MIXED.—Hardy plants one foot high, of extreme richness and variety of color, and deliciously sweet-scented; for clumps or borders unsurpassed. Our mixture is the large flowered and contains beautiful colors and markings. Pkt. 5c; ¼ oz. 10c; oz. 25c.

DOUBLE MIXED.—Grows same as preceding, but the florets are densely double and full-centered. While beautiful, they are not as popular as the single-flowered. Pkt. 7c.

VIOLA

ODORATA.—The sweet violet so generally popular. All colors mixed; seeds start slowly. Pkt. 10c.

ZINNIA

Strong growing, hardy and elegant plants, rivaling the dahlia in size and doubleness, while the colors are bright and varied and range from pure white to deep purplish crimson. Fine for hedges, beds or borders.

PIGMY OR LILIPUT.—This strain is the acme of beauty and perfection in Zinnias. Plants are small and of bushy growth, each one bearing scores of beautiful little blossoms of most perfect shape and brilliant colors, from pure white to very dark orange purple, crimson and vermillion. These charming little Zinnias are gems indeed and should be in every garden. Mixed colors. Pkt. 7c.

ROBUSTA GRANDIFLORA.—Given its name because of strong growth and large flowers. Grows 3 ft. high and produces flowers 5 in. across. Mixed colors. Pkt. 10c.

CURLED AND CRESTED.—A most unique and charming sort with petals oddly curled and crested in fantastic contortions and graceful forms. Flowers are large, double, and peculiar shape of petal relieves the flower from stiffness. Many colors. Pkt. 5c.

FINEST DOUBLE MIXED.—Pkt. 5c; ¼ oz. 15c; oz. 50c.

NEW ZEBRA.—Beautifully and brilliantly striped with rich colors. There are always some plants which do not produce striped flowers. Very handsome. All colors mixed. Pkt. 5c.

SPLENDOR.—This splendid strain of Zinnia is grown on our Altoona farms with special care. The finest colors and most splendid blooms and plants we have seen. Pkt. 10c; ¼ oz. 30c; oz. \$1.



NEW CENTURY MAMMOTH VERBENA



PIGMY ZINNIA

SUNFLOWER

Some varieties of this well known plant are very ornamental, and effective in shrubby borders or as screens.

GLOBE OF GOLD.—Dwarf, well branched plant growing about 3 feet high, each of its numerous branches carrying a medium sized, densely double, globe-shaped flower of rich, deep, golden yellow color, being veritable globes of gold. The most densely double of any sunflower. Easily grown. Handsome, symmetrical and effective on lawns or garden. Pkt. 7c.

EXCELSIOR BRANCHING.—This new plant, known as *H. Cucumerifolius Grandiflorus*, has a single flower about 5 inches across producing a pyramid of bloom. Pkt. 7c.

SILVER LEAVED.—Few would imagine it a sunflower. Grows 3 or 4 feet high, forming a perfect pyramid. Leaves are long and densely covered with long white hairs which give it a peculiar shining, silvery appearance. Flowers golden yellow, 3 to 4 in. across, small, dark brown centers. Pkt. 5c.

BABY.—(*Helianthus Perkeo*).—Is less than two feet high, loaded at all times with lovely Cosmos-like blossoms, of perfect shape and wide spreading petals. Rich, deep yellow with black center. Pkt. 5c.

PEERLESS MIXED.—A splendid assortment of fifteen of the best varieties grown together on our grounds. Includes some both curious and desirable. Pkt. 5c; oz. 15c.

PILLAR OF GOLD.—A novelty which originated on our own farms. It is a beautiful new double sunflower, growing about 4 feet high. Flowers borne on very short branching stems and are held closely to the main stalk, in such profusion that when in full bloom very little of the foliage is noticeable and at a short distance it seems a pillar of bright golden yellow. It is, in our opinion, the best decorative sunflower yet produced, and if planted in masses or rows will draw attention by the flaming glow of color. Pkt. 10c; oz. 25c.

MAMMOTH RUSSIAN.—Largest of all, showy and most profitable to grow for feeding purposes. Oz. pkt. 5c; lb. 25c.

WHITE BEAUTY.—A sunflower growing as large as the Mammoth Russian; seeds clear paper white. Very productive of seed. Also listed in farm seed department. Pkt. 5c; oz. 10c.



PILLAR OF GOLD
SUNFLOWER

TORENIA

FORNIERE.—These are beautiful free flowering trailing plants, well suited for baskets, vases, and in moist situations out of doors. A handsome plant; not hardy. Pkt. 10c.

VERBENA

Deservedly a universal favorite, unrivaled in the splendor of its dazzling brilliancy of flower. A constant bloomer and if grown from seed has a sweet fragrance. Treat as tender annuals. Plant seed in boxes, or under glass in March, and transplant when a few inches high. In this way they can be grown from seed as early as any annual.

NEW CENTURY MAMMOTH.—The most beautiful colors, largest flowers and largest truss of any Verbena, and it is a variety which will please everyone. When well grown every flower truss measures over 9 inches in circumference while the single florets are as large as a twenty-five cent piece; more vigorous in growth than the ordinary Verbena. Contains a great assortment of colors, illustration showing dark scarlet flower with white eye. Pkt. 10c; ¼ oz. 35c; oz. \$1.00.

CANDIDISSIMA.—Large trusses of pure white flowers; beautiful. Pkt. 5c.

BLUE MIXED.—Desirable. Blue, purple and lavender sorts. Pkt. 5c.

DEFIANCE.—A true scarlet; extra fine. Pkt. 7c.

CHOICE MIXED.—From the finest German collection of named sorts. Pkt. 5c; ¼ oz. 20c; oz. 60c.

AUBLETIA.—Of more robust, vigorous growth than the common Verbenas, also more hardy and easily grown. Begins to bloom in June and gives constant succession. Somewhat drooping habit, branching freely; seems to improve daily in appearance. Pkt. 10c.

LEMON.—(*Aloysia Citriodora*).—The popular plant prized for its sweet-scented leaves which retain their fragrance when dried and are therefore doubly useful. Pkt. 10c.

WALLFLOWER

Greatly prized for their exquisite fragrance. Grow in long, brilliant colored spikes of flowers. Plants removed to pots in autumn will produce abundance of delightfully fragrant flowers of many colors.

DOUBLE VARIETIES MIXED.—Pkt. 10c.

SINGLE MIXED.—Best single and semi-double sorts. Pkt. 3c.

EARLY FLOWERING MIXED.—Flowers early the first season. Per pkt. 5c.

THERE ARE SPLENDID POSSIBILITIES IN OUR NEW VARIETIES OF SUNFLOWERS FOR MASSING

EVERLASTINGS AND GRASSES

These are very attractive for winter decoration as they are of rich brilliant colors and are fine for winter bouquets. Cut when in full bloom, tie in small bunches and hang, heads downward, to dry.

AMOBIMUM.—*Alatum Grandiflorum.*—A pretty everlasting, double white flower. Pkt. 5c.

ACROCLINIUM.—Mixed Colors.—An everlasting of fine form, growing about two feet high and producing large double flowers which when dried retain their form and beauty for a long time. Shades of pink to white. Pkt. 3c; oz. 20c.

GLOBE AMARANTH.—(*Gomphrena*)—Mixed Colors. Popularly known as "Bachelor Buttons." Handsome, globular heads of flowers which, if cut when well matured, will retain their beauty through winter. Colors purple, white, flesh colored, orange and striped. Pkt. 5c.

GOLD AND SILVER FLOWER.—Silvery white flower with golden center. Illustrated and more fully described on page 70. Pkt. 10c.

HELICHRYSUM.—*Monster Mixed.*—A very pretty and popular hardy annual bearing large double flowers of different shades and colors, ranging from white to yellow, rich red, scarlet. Best everlastings, as they retain their form and color for many months, and



MONSTER HELICHRYSUM.

are particularly useful in winter decoration. Pkt. 5c; ¼ oz. 15c; oz. 50c.

JOB'S TEARS.—An ornamental grass known botanically as *Coix Lachryma*. Grows 2 to 3 feet high, with broad, corn-like leaves. Pkt. 5c; oz. 15c.

JOB'S TEARS FOR FANCY WORK.—We also offer choice seeds of glossy pearl color, a special variety, which are used for necklaces, basket and raffia work, and in strings for portieres. Not sold for germination. Oz. 10c; ¼ lb. 35c; lb. 75c; 5 lbs. by express, not prepaid, for \$2.50.

PENNISTEUM.—*Rueppellianum.*—A handsome grass commonly called Purple Fountain Grass. Pkt. 10c.

RHODANTHE.—Mixed Colors.—One of the finest and most beautiful of flowers; are of various colors. For winter bouquets the blossoms should be gathered before fully expanded, and if dried in the shade will retain their brilliancy for years. Pkt. 5c.

STATICE.—(*Sea Lavender*)—Immense panicles of small blue flowers sometimes more than a foot in diameter. Grows 12 to 18 in. high with thick, heavy foliage. Flowers are very lasting if properly dried and are very striking in winter bouquets. Pkt. 10c.

XERANTHEMUM.—Free flowering and easily grown, making a handsome bed. All kinds mixed. Pkt. 10c.

RHODANTHE.



GLOBE AMARANTH.



MIXED GRASSES.

SPECIAL MIXTURES IN FLOWER SEEDS

Carefully Prepared from our own Formulas for Splendid Effects in the Informal Gardens

Many persons derive pleasure from watching the growth of a varied bed of flowers, entirely out of the usual trim garden style, while others desire a much more extended collection than their means will permit. To both of these classes the following special mixtures will appeal:

MIXTURE OF FRAGRANT ANNUALS.—Carefully made up from seeds of fragrant flowers only. A bed of these will give rich perfume throughout the day and evening while some are also suitable for cutting. Pkt. 10c; ¼ oz. 25c; oz. 75c.

MIXTURE OF CLIMBERS.—This is a liberally filled packet of seed of many beautiful annual climbers suitable for growing together. Pkt. 10c; ¼ oz. 25c; oz. 75c.

LOW GROWING ANNUALS.—This mixture contains seed of a great variety of low growing annuals, few of which exceed four to six inches in height, and which, sown in beds or borders, present the appearance of Turkish rugs, carpeting the ground in their wide range of colorings and forms. Pkt. 5c; ¼ oz. 15c; oz. 40c.

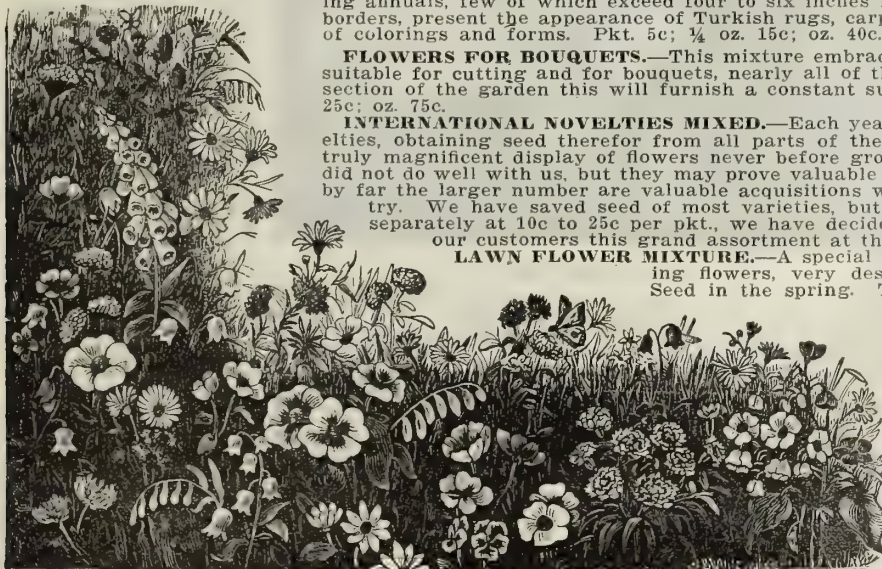
FLOWERS FOR BOUQUETS.—This mixture embraces seeds of annuals producing flowers suitable for cutting and for bouquets, nearly all of them having long stems. Planted in a section of the garden this will furnish a constant supply of cut flowers. Pkt. 10c; ¼ oz. 25c; oz. 75c.

INTERNATIONAL NOVELTIES MIXED.—Each year we make a grand test of floral novelties, obtaining seed therefrom from all parts of the world, and our trial fields exhibit a truly magnificent display of flowers never before grown here. A few of the new varieties did not do well with us, but they may prove valuable in other climates or on different soils; by far the larger number are valuable acquisitions which we would like our customers to try. We have saved seed of most varieties, but instead of listing them in catalogue separately at 10c to 25c per pkt., we have decided to mix them all together and offer our customers this grand assortment at the low price of 10c per pkt.; 3 for 25c.

LAWN FLOWER MIXTURE.—A special mixture of low growing, quick blooming flowers, very desirable for sowing with Lawn Grass Seed in the spring. They come up quickly, afford shelter

for grass seed and will bloom by the time the grass requires cutting the first time. Also desirable for sowing on an old lawn very early in the season. Price per ounce pkg. 25c.

MIXED GRASSES.—A mixture of the ornamental grasses suitable to grow in masses. Makes a striking as well as useful collection. Valuable for making up into winter bouquets. These should be cut just as they come into bloom and dried in the shade. Very useful for working up with the Everlastings into winter ornaments; they lend a grace and beauty not obtainable without them. Pkt. 5c; ¼ oz. 10c; oz. 30c.



OUR MIXED FLOWER SEEDS ARE FROM CHOICE, FRESH SEED AND WILL GIVE SATISFACTION

ORCHID FLOWERED SWEET PEAS

This is the latest and most lovely type of sweet peas, originating in England a few years ago with the original variety now called Countess Spencer, and which have developed new colors and markings each succeeding season so that we now have quite a range of color in this type, though not quite so varied or brilliant as the grandiflora or giant-flowered type which we offer on the next page. The distinguishing characteristics of the Spencer type is the wavy, orchid-like appearance of the blossoms. They are stronger, more robust in growth, with extra large flowers of exquisite, delicate beauty. We offer only a few of the many varieties in existence, choosing those which have become fixed in form and color and which will reproduce without deviation. It will be noted, however, that with only a few varieties we offer you a beautiful display of varied colors. We have in our selections of the Spencer varieties followed our rule of accepting only such as will give satisfactory results, believing it to be better to offer a few chosen sorts, than an indiscriminate list for the sake of following a fad, or introducing a "novelty." Crops of sweet peas all over the world are almost a total failure this year and our prices should really be much higher. We will, however, protect our customers so long as our stock lasts.

KING EDWARD SPENCER.—(See illustration on back cover.)—Color of wings and standard carmine scarlet, with reverse of wings a rosy carmine, make a rich and strikingly handsome blossom. The wings are unusually large

and give the flower immense size. When to the bright color and large size are added the grace of frilled, waved and crinkled appearance the combination produced is most beautiful. Easily the brightest and most attractive of the new Spencer class, and a blossom of unequalled beauty. Sturdy and vigorous grower, producing three and four fine flowers on each stem. Pkt. 10c, oz. 35c, ¼ lb. \$1.25.

OTHELLO SPENCER.—In color is similar to the Othello of the large-flowered type, but has the true Spencer form and will appeal to lovers of dark colored blossoms, and cannot fail to attract the eye in any collection of sweet peas. Stems are long, strong, and carry three or four fine blossoms of deep, rich maroon. A strong, vigorous grower. Pkt. 10c, oz. 35c, ¼ lb. \$1.25.

WHITE SPENCER.—(See illustration on back cover.)—One of the finest types of the Spencer class. Flowers deeply waved and curled. Color pure white, form and color producing an effect altogether lovely. Very vigorous and strong, with stiff, upright stems bearing three or four blossoms on each. Of great substance and retain their freshness and purity after being cut. Pkt. 10c, oz. 30c, ¼ lb. \$1.00.

PRIMROSE SPENCER.—(See illustration on back cover.) A fine, large blossom of rich, deep cream or primrose yellow throughout; both standard and wings being of solid color without trace of shading. Is undoubtedly the richest coloring and finest quality of primrose shade. Will please any lover of delicate and dainty flowers. Equally as finely waved as the other Spencers and of strong, robust character. Pkt. 10c, oz. 35c, ¼ lb. \$1.25.

FLORENCE MORSE SPENCER.—This flower is a very delicate rose color, shaded a little darker pink at the edges. It is one of the best of the Spencer type, having large, open, wavy flowers, borne four on the stem, which are quite long. It is very similar to Countess Spencer except in the color, which is of lighter shade. It fully equals the older sort in delicate qualities. Pkt. 10c, oz. 25c, ¼ lb. 90c.

CAPTAIN OF THE BLUES SPENCER.—(See illustration on back cover.)—A name strikingly appropriate for this lovely flower. Standard is purple and wings are bright blue, petals finely frilled and waving, and the blossom is very large, even for the Spencer class. A very desirable shade for color effect and a very satisfactory grower as to vigor and profusion of bloom. Is easily a favorite among lovers of sweet peas because of its many good qualities. Pkt. 10c, oz. 35c, ¼ lb. \$1.25.

COUNTESS SPENCER.—(See illustration on back cover.)—Truly a gigantic variety of finest form and coloring. The standard and wings are broad and well spread, beautifully waved and frilled, and sometimes fully two inches across.

The coloring is a silvery white, suffused with soft rose-pink, which deepens at the outer edges and becomes still richer and more heavily suffused in cool weather. In size, form and coloring Countess Spencer is simply exquisite and beyond the power of words to describe. Pkt. 10c, oz. 35c; ¼ lb. \$1.25.

Five Giant Spencers

Shown in Colors on Back Cover Page

The most beautiful and satisfactory of their class. Many of the new Spencer varieties have not as yet proven thoroughly fixed in type, but the ones we offer will be found true to type without variation and have been selected as the best after experimental trials. Offered in special collection; one full sized packet each of these lovely colors for 30c.

SPENCER MIXED.

This is not in any sense an inferior stock but is a choice mixture of the Spencer types and varieties. This mixture has been specially and carefully grown by our expert growers from careful planting to secure a wide range of color, embracing many sorts not named in our list. By growing in this manner we are in position to give our customers a chance to secure the Spencer type in varied colors at a reasonable cost. Pkt. 10c, oz. 25c, ¼ lb. 70c, lb. \$2.50.

HELEN LEWIS.—(Of Spencer type.)—Standard is crimson orange with orange rose wings. A striking shade and the flower is very large, of open form with wavy edges. Pkt. 5c, oz. 20c, ¼ lb. 60c.

GLADYS UNWIN.—The Unwin type differs from the Spencer class

in that the blossoms are not quite so large. The petals are marked and fluted as in the parent type, and the flower is borne on strong upright stems, while in texture and beauty they are unsurpassed. This variety is a light, clear pink in color, very dainty and charming. Pkt. 5c, oz. 20c, ¼ lb. 60c.

NORA UNWIN.—Clear, pure white of the semi-Spencer type. It grows very large open flowers with wavy edges. One of the finest white sweet peas now in cultivation. Flowers are borne generally three on a stem, and are of good substance and a finely effective flower. Comes true from seed. Pkt. 5c, oz. 20c, ¼ lb. 60c.

E. J. CASTLE.—A flower of exceeding delicacy and beauty. The color is a rich, carmine-rose with salmon shading in the standard. This rich color with the bold, wavy standard of the Unwin type makes a most striking effect, especially in artificial light. Pkt. 5c, oz. 20c, ¼ lb. 60c.



WHITE SPENCER SWEET PEAS

GIANT FLOWERING SWEET PEAS

The sweet peas here offered are of the great-flowered or grandiflora class, and are grown for us by the best specialists in America. The stocks from which they are produced are not surpassed by anyone, and we know from the reported experience of our friends that the results from planting our sweet peas are most satisfactory. We ask only to be judged by results and solicit your orders with full confidence that you will be pleased. There is a reason. We have discarded all poor and inferior sorts and offer what we know to be the cream of the list, chosen from personal inspection of more than 200 varieties.

IMPERIAL MIXED.—Sixty of best sorts carefully selected so as to get the proper proportion of each color in assortment. Makes the choicest mixture ever offered. Illustration shows bunch of various colors and we are sure our customers will be pleased with them. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$1.75.

CALIFORNIA GIANTS.—Tourists from the east are always greatly surprised and delighted with the Sweet Peas which bloom so freely in California. One of the best growers who has been growing Sweet Peas for us during the past twelve years and who devotes about fifty acres annually to their culture, has, during the past few years, been selecting seed from the specially large flowers and we now offer it in a splendid mixture. No matter what other flowers you grow, give these a trial. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c.

NEW DOUBLE SWEET PEAS.—By hybridizing and selection, the new double-flowered Sweet Peas have been produced and they are not only beautiful but the flower is quite lasting. About half of the plants from this seed produce flowers which are double and semi-double. Our mixture contains all the best varieties yet brought out, white, rose, crimson, maroon, lavender, striped, etc. Try them. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c.

PERFECTED MIXED.—Of graceful form and charming color, exquisite fragrance and simple loveliness. This mixture contains many choice new varieties and some old favorites. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c, lb. \$1.25.

FINE MIXED.—A nice mixture; very low price. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.



Twenty Choice Named Varieties

AMERICA.—(No. 9.)—Clear scarlet on a white ground. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c.

AURORA.—(No. 6.)—Extra large flowers, are flaked and striped bright salmon on white ground. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c.

BLACK KNIGHT.—Rich glossy blackish maroon. Immense bold, attractive flowers borne in greatest profusion. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c.

DOROTHY ECKFORD.—(No. 7.)—The largest flowered white variety. Great bloomer. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c.

EARLIEST OF ALL.—Very early; a bright pink with white wings. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c.

EXTRA EARLY BLANCHE FERRY.—Earliest of all. A beautiful light rose and white. Delicately handsome. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c.

KING EDWARD VII.—(No. 11.)—A true giant-flowered variety; brighter than either Mars or Salopian, in fact, the best dark red in existence. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c.

LADY GRISEL HAMILTON.—(No. 8.)—Light lavender with azure blue wings. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c.

LOVELY.—(No. 2.)—The most beautiful shades of soft shell-pink, shading to faint rose at outer edges. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c.

MRS. WALTER WRIGHT.—Of pinkish cream, changing to reddish purple; large. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c.

MRS. DUGDALE.—(No. 10.)—Standard rose, the wings primrose shaded and splashed rose. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c.

MONT BLANC.—Large white flowers, free blooming and the earliest of all whites. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c.

MAID OF HONOR.—(No. 3.)—Light blue on a white ground, edged with deep violet. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c.

MRS. KENYON.—A decided novelty in Sweet Peas, being a very pretty large-flowered sort, of a handsome primrose or yellow color. You should have it if you want an attractive new color in your mixture. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c.

NAVY BLUE.—(No. 1.)—A great novelty; the darkest and truest blue of any variety. Free bloomer. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c.

OTHELLO.—A beautiful dark brown chocolate red self-colored. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c.

PRINCE OF WALES.—(No. 5.)—A bright, self-colored, deep rose flower of grand size and beautifully hooded form; frequently four on a stem. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c.

PRIMA DONNA.—A soft shade bright rose-pink, with deeper coloring in center of standard and inner portion of wings. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c.

RAMONA.—(No. 4.)—Flower creamy white and striped and flaked bluish pink. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c.

ROYAL ROSE.—Beautiful clear rose. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c.

Circular how to
grow Sweet Peas
mailed free on
request.

CUPID MIXED.—Dwarf growth. Flowers are pretty and freely produced. Mixed colors. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c.

BUSH VARIETIES MIXED.—Of distinct upright growth, forming a bush instead of climbing; many colors. Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c.

PERENNIAL MIXED.—Listed with climbers, page 83. Pkt. 5c, oz. 20c.

ORNAMENTAL CLIMBERS

Nothing adds more to the homelike appearance of a place than to have the pleasant shade of vines over the porches and climbers on trellises, trees, fences, and outbuildings. We list them together so that our customers can make selection. Notice also the list of hardy permanent vines on pages 119 and 120.

ADLUMIA CIRRHOSA.—Has a striking resemblance to foliage of the Maiden Hair Fern. It is a hardy biennial climber, growing readily from seed; foliage feathery, dainty and picturesque; blooms second year; pink and white flowers. Plant in a cool, moist place. Pkt. 10c; ¼ oz. 25c; oz. 75c.

AMPELOPSIS VEITCHII, or Boston Ivy.—Described with Hardy Vines. Pkt. 5c.

BALLOON VINE.—A pretty, rapid growing climber, succeeding best in warm situation. Flowers white followed by balloon-like seed pods. Pkt. 5c.

BRYANOPSIS.—Beautiful summer climber with yellow flowers, followed by pretty cherry-like green fruits, which change to bright scarlet, marbled with white. Pkt. 5c.

COBOEA SCANDENS.—A magnificent climber of rapid growth and beautiful blue flowers. The seed should be planted edgewise. Pkt. 10c.

CANARY BIRD FLOWER.—One of the most beautiful climbers, with delicate, finely cut foliage and curious bright yellow flowers, resembling the canary bird in shape and color. Pkt. 5c; oz. 15c.

CYPRESS VINE.—A beautiful rapid climber with delicate dark green foliage, and an abundance of star-shaped scarlet and white blossoms.

Scarlet.—Very bright. Pkt. 5c; ¼ oz. 15c; oz. 40c.

White.—Pretty contrast with scarlet. Pkt. 5c; ¼ oz. 15c; oz. 40c.

Mixed Colors.—Above mixed. Pkt. 3c; oz. 25c.

New Ivy Leaved.—Entirely distinct from all other varieties both in flowers and foliage. The ivy-like leaves make a dense screen from which the pretty orange-scarlet flowers stand out in countless numbers. Pkt. 7c.

DOLICHOS.—(Hyacinth Bean.)

Mixed Colors.—A rapid growing annual climber flowering freely in clusters followed by ornamental pods. Fine for arbors or porches. Pkt. 5c; oz. 15c.

Daylight.—A choice climber, the vines growing quickly to a height of 8 to 10 ft., and blossoms profusely from base to summit, the large spikes of pure white flowers standing out boldly from the rich foliage. As flowers drop from the long spikes they are succeeded by broad, velvety, snowy white pods which retain their purity and freshness of color a long time. Pkt. 5c; oz. 20c.

Darkness.—A good companion for above. Both stems and under side of its leaves purplish red. Pea-like flowers; it blooms early. Pkt. 5c; oz. 20c.

GOURDS.—Ornamental Mixed. A mixture of the odd-shaped and fancy-colored sorts. Contains the most popular and handsome foreign varieties. Pkt. 5c; oz. 25c.

JONAH'S GOURD

"And the Lord prepared a gourd and made it come up over Jonah that it might be a shadow over his head."—Jonah 4:6.

Several years ago a friend was traveling in Asia. In driving through the country near Joppa he noticed a peculiar vine which grew about 50 to 60 feet in length along a fence. He was interested and on making inquiry found that in that country it went by the name of Jonah's Gourd, and is probably the variety which sheltered the prophet. After considerable trouble he secured some of the seed and presented them to us. We have grown them both on our trial grounds and farm and were much pleased with plant. It grows with wonderful rapidity and quickly climbs to the top of tall trees and therefore will be useful for covering old trees, walls, porches, outbuildings, etc. Leaves quite large, flowers pure white, 2 or 3 in. in diameter, and fruits of great length, resembling the well-known Hercules' Club. Our cut is from a photograph of the residence of J. B. Hammond, Washington, D. C. President Roosevelt greatly admired the vine. Pkt. of 12 seeds for 10c; 3 pkts. for 25c.



DARKNESS DOLICHOS



JAPANESE VARIEGATED HOP

HUMULUS.—(Hop.)—New Japanese Variegated. Handsome and distinct climbing vine, valuable for trellis and high places. Leaves are strikingly marked and blotched silvery white tinged yellow. Pkt. 10c.



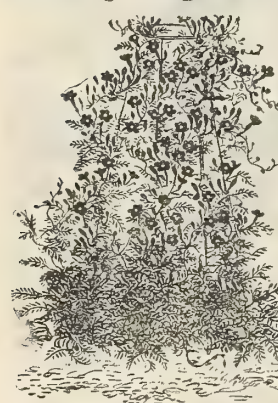
ADLUMIA



BRYANOPSIS



CANARY-BIRD FLOWER



CYPRESS VINE



COBOEA SCANDENS



GOURDS



JONAH'S GOURD ON RESIDENCE IN WASHINGTON

YOU CAN ALWAYS FIND PROFITABLE USE FOR A FEW VINES FOR THE ADORNMENT OF HOME

MORNING GLORIES.—Imperial Japanese.—The most popular class of morning glories. Remarkable for the large size and exquisite new colors of the flowers, with magnificent foliage often beautifully blotched. Of strong, robust growth. Vines grow quickly to a height of twelve to twenty feet. Flowers are of gigantic size, sometimes measuring four or five inches across. Colors, shading and markings really wonders of nature, of incomparable beauty. Double and single mixed. Pkt. 5c; oz. 15c.

Fringed Japanese.—A splendid strain with beautifully fringed flowers presenting an odd yet attractive appearance. Similar in size and coloring to the Imperial strain and delicately beautiful because of waved and curled borders of blossoms. Pkt. 10c; oz. 35c.

Brazilian.—(Ipomoea Setosa.)—One of the grandest and most luxuriant plants ever grown; very showy and graceful, with rose-colored flowers from three to four inches in diameter, and a huge leaf ten to twelve inches across. Pkt. 10c.

New Double Flowering.—A splendid variety of rapid growth, and produces its double flowers very freely. They are white with a slight spot of red or blue at base of larger petals. About 8 per cent of seedlings will reproduce themselves true from seed. Pkt. 10c.

Improved Climbing.—A great improvement on the old climbing morning glory. Large size; great variety. Pkt. 5c; oz. 20c; ¼ lb. 60c.

Fine Mixed.—Mixture of old sorts. Pkt. 3c; oz. 10c; ¼ lb. 25c.

MAURANDIA.—Delicate climber for windows or conservatories. Admirable to hang from vases; also desirable for outdoor plantings where slender, graceful vines are wanted. Mixed colors. Pkt. 10c.

MOMORDICA.—Mixed.—A rapid growing vine bearing large bright colored fruits known as Balsam Apple and Balsam Pear. Foliage ornamental, and fruits are golden yellow, opening when ripe, showing a bright carmine center. A fine vine for trailing over stumps, rockeries, etc. Pkt. 5c; oz. 25c.

MAMMOTH PASSION FLOWER.—A very desirable climbing plant. Sow the seed early and if well cared for and seasons are favorable, vines will put forth magnificent blossoms the first year, of pink, blue and white, very large and showy. It is a native of tropical America and the early Spanish and Portuguese travelers gave it its name thinking it represented the instruments of the Crucifixion. Begins to bloom when only one or two feet high, but blooms better the second year. It is a very desirable vine for trailing over porch or trellis, and can be left in the open ground through the winter if well protected. They are also quite desirable for planting over mounds and in the cemetery, and are satisfactory for growing in the window garden. Per pkt. 10c.



SMILAX



PASSION FLOWER



WISTARIA

PERENNIAL SWEET PEAS.—(Lathyrus.)—A very popular perennial variety wherever known and it should be more generally used. Mixed colors. Bloom second year. Pkt. 5c; oz. 20c.

RUNNER BEAN.—Scarlet Runner.—A valuable climbing vine, belonging to the bean family, having bright scarlet flowers and pods; very showy as a climber, also valuable for table use. Pkt. 5c; ½ pint 20c.

Arabian Runner.—A beautiful variety of the above with striped scarlet and white flowers. Pkt. 5c; ½ pint 25c.

SMILAX.—Considered the most beautiful of all vines for indoor growing and specially valued by florists for decorating and floral work all times of the year. The seeds start slowly and should be planted in loose, rich soil, and kept moist and warm. Pkt. 8c.

THUNBERGIA.—Mixed Colors.—(Black Eyed Susan.)—Beautiful rapid growing climbers for vases, trellises or rustic work. Flowers buff, orange, white, etc. Pkt. 5c.

WISTARIA.—One of the most popular hardy vines, climbing to a height of fifty feet or more. It is perennial and easily grown from seed. Of rapid growth, bearing in spring immense panicles of purple flowers in great profusion. Pkt. 10c.



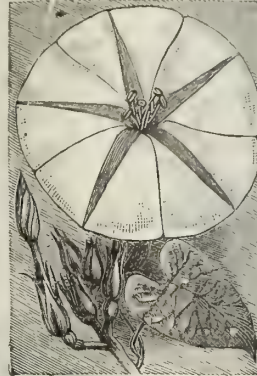
GALVANIZED WIRE NETTING

WIRE NETTING FOR TRELLIS

Galvanized wire poultry netting 4 feet wide makes the best support for the Sweet Pea. This netting may be purchased in any desired width, and can be used nicely for most vining plants. Price, not prepaid: 4 ft. width, 10 ft. length, 40c; 50 ft. length, \$1.75; 3 ft. width, 10 ft. length, 30c; 50 ft., \$1.25; 2 ft. width, 10 ft. length, 20c; 50 ft., 85c.

A complete price list of various sizes of wire netting will be found in the poultry supply list in this catalogue.

KUDZU VINE.—Jack and the Beanstalk.—Hardy, very rapid growing vine which dies to the roots after frost, but which grows to forty feet in a season when established. Large foliage and clusters of pea-shaped purple flowers. Grows readily from seed. Pkt. 10c.



MOONFLOWER

MOONFLOWER. — White.—(Ipomoea Grandiflora.)—One of the grandest summer climbers, growing twenty-five to forty feet high, and covered nightly and on dull days with beautiful white and moon-like flowers from 5 to 6 inches in diameter. Fragrant. Pkt. of 10 seeds, 7c.

Blue.—(Ipomoea Leairi.)—Distinct and charming novelty; in striking contrast to the true White Moonflower. Color is exquisite clear, satiny blue; well defined crimson bars. Pkt. 10c.



IMPERIAL JAPANESE MORNING GLORIES



WILD CUCUMBER

WILD CUCUMBER.—A well known vine common in many sections, and the quickest climber known for covering verandas, old trees and houses, trellises, etc., never suffering from the heat, but retaining its fresh and lively green color; never infested with insects, very profuse in bloom. It reaches height of 30 feet in one season. It is covered with clusters of white, sweet-scented flowers, followed by an abundance of ornamental prickly seed pods. It will reproduce itself from self-sown seed every year. Pkt. 5c; oz. 15c.

CLIMBING NASTURTIUM.—Description and prices on different varieties on page 73.

SUMMER FLOWERING BULBS

Many of the most showy, attractive, inexpensive and easiest grown of all summer and autumn flowers are contained in this important class. There are scarcely any other flowers that can compare with the noble and brilliant spikes of the gladiolus, the grace and elegance of the lily, the purity and sweetness of the tuberose, the majestic foliage of the caladium, and the wonderful markings of the tigridia. Bulbs for spring planting require scarcely any care and quickly make a gorgeous display, while the bulbs can be kept over winter and year after year will return a hundred fold in beauty and satisfaction for the trifling expense of the original cost. For lilies and other hardy bulbs see pages 88 and 90. Our bulbs are large and strong and will be sent well packed, postpaid, on receipt of price, except where noted.

AMARYLLIS

JOHNSONII.—Of strong, vigorous growth, bearing from 3 to 6 brilliant red flowers on each stem. The petals are striped with white; very attractive; fragrant. Each 50c.



AMARYLLIS
FORMOSISSIMA

FORMOSISSIMA.—(Jacobean Lily.)—Of extremely rich, deep velvety crimson. It is a free bloomer and succeeds well either in pots or in the open ground. Each 15c; 3 for 40c; 1 doz. for \$1.25.

ATAMASCO.—A fine little bulb for summer blooming, bearing pink flowers. Plant closely. Each 5c; doz. 50c.

BELLADONNA.—Free flowering and fragrant. Flowers are lovely shell-pink color and flower stems two feet or more in height. Each 20c; 3 for 50c.

BEGONIAS

SINGLE TUBEROUS ROOTED.—Fine for bedding or borders, producing lovely bright flowers of various shades. Colors to order as follows: Scarlet, pink, white, yellow, or crimson. Each 10c; doz. 75c.

DOUBLE TUBEROUS ROOTED.—Double form of flower. Can furnish same colors as above. Each 10c; doz. \$1.00.

CINNAMON VINE

This beautiful climber possesses the rare quality of emitting from its flowers the delightful odor of cinnamon; is appropriately called the Cinnamon Vine. Perfectly hardy, the stem dying down every autumn, but growing again so rapidly as to completely cover any trellis or arbor very early in the season. With its beautiful heart-shaped leaves, clusters of delicate white flowers and delicious cinnamon odor it is a most desirable climber. We furnish the large tubers, postpaid for 10c; 3 for 25c; doz. for 65c. We can supply small bulblets from which the large tubers may be grown in one season at 10c per doz.; 100 for 60c.

HYACINTHUS CANDICANS

This is a large, strong, vigorous bulb, growing a stem three to four feet high. The stems bear quantities of large, drooping flowers, ivory white in color and bell-shaped, as shown in our illustration. Flowers are delicately fragrant and by planting closely a clump of these bulbs will produce a charming effect, the flowers appearing like giant snowdrops. Each 5c; doz. 50c. Extra large bulbs, each 10c; doz. \$1.00.



TUBEROUS ROOTED BEGONIA
CALADIUM

ESCULENTUM.—(Elephant's Ear.)—A splendid tropical plant, growing 4 to 5 feet, with immense leaves, beautifully veined and variegated with different shades of green. Very showy leaves, often growing three feet long. Of easy culture. Medium sized bulbs 15c, 3 for 40c; large bulbs 25c, 3 for 60c; mammoth 40c, 3 for \$1.00.

FANCY-LEAVED.—These have in recent years grown very rapidly in popular favor, not only for the decoration of the conservatory, greenhouse and window boxes, but nearly all of the varieties succeed admirably if planted out of doors, when the ground has become warm, in partly shaded, sheltered borders. Leaves variegated red, yellow, white, brown, green, etc. Many choice varieties mixed, each 30c; dozen \$3.00.

EMERALD VINE

(Discorca Fargessi.)—Belongs to the same family as the Cinnamon Vine, though very different and by many considered superior to that fine vine. Vines grow in slender form, and quite massy. Foliage is divided and bright emerald green in color, with a decided luster. Flowers are borne numerous in drooping racemes. Each 10c; 3 for 25c.



CINNAMON VINE



CALADIUM ESCULENTUM.



FANCY LEAVED CALADIUMS

CALLA LILIES

MAMMOTH WHITE.—Largest flowering variety and most majestic. It is of perfect flowering form with large tropical appearing leaves of bright green color and yielding throughout the season a profusion of white flowers. Large size each 25c, 3 for 60c; medium size each 15c, 3 for 40c.

ELLIOTTIANA.—This magnificent new yellow calla is of marvelous beauty. The flowers are very large and of the brightest golden yellow. Leaves beautifully spitted with white. Each 35c; 3 for 90c.

AURATA.—New and fine, the flowers being a beautiful light yellow with jet black centers, making them very conspicuous and showy. The foliage is handsome, deep green, freely spotted with white. Each 30c.

LITTLE GEM.—A perfect miniature Calla, growing 8 to 12 inches high, producing beautiful snow-white blossoms. Blooms summer or winter, beginning when a few inches high. Growing plants 15c; 3 for 40c.

SPOTTED LEAF.—Leaves deep green with spots, giving plant a magnificent appearance. Flowers are of pure white with black centers. Fine for planting in the garden in summer. Each 10c; doz. \$1.00.



LITTLE GEM CALLA



HYACINTHUS CANDICANS

YOU DO NOT HAVE TO PURCHASE BULBS EACH YEAR. THEY ARE EASILY KEPT THROUGH THE WINTER

GLORIOUS CANNAS

Such a great improvement has been made in Cannas during the past few years that they may well be called "glorious." They are now generally considered the most showy and effective bedding plants. They have tropical appearing foliage and showy flowers, some of which are truly orchid-like.

A. CROZY.—Height 4 feet. Green foliage. Crimson scarlet, with broad gold border. Each 15c; dozen \$1.50.

ALLEMANIA.—Foliage pea green and very wide; flowers are orange scarlet, lemon edge. Height 4 feet. Each 15c; doz. \$1.25.

ALSACE.—Color is a creamy white, without any spotting, and when grown with the dark yellow and red varieties appears like clear white. Each 15c; doz. \$1.30.

AMERICA.—Height 4 feet. One of the handsomest of the bronzed leaved varieties. Leaves show some tinting of green applied in such a way that they appear as if striped. Flowers extra size, dark yellow, veined with red. Each 20c; doz. \$2.00.

BURBANK.—The well known Orchid Flowering Canna. The flowers are truly gigantic in size, the upper petals spreading fully 7 inches. Flower is rich canary yellow; crimson spots near center. Height 5 feet. Each 15c; dozen \$1.20.

BUTTERCUP.—Beautiful clear yellow flower; large spikes. Each 15c; doz. \$1.50.

CALIFORNIA.—Rare and handsome; color a pure rich orange gold, no other like it. Has nearly all the good qualities combined, good habit of growth, large flowers, erect head, and blooms freely; green foliage. A color that always looks well. Height 4 feet. Each 15c; dozen \$1.50.

CHARLES HENDERSON.—Four feet high. Green foliage; one of the finest bedding plants in existence, of compact, vigorous growth and free bloomer; deep, rich crimson. Each 10c; dozen \$1.00.

ELLIOTT.—Tall growing, green foliage. Height five feet. Large scarlet flower. Each 15c doz. \$1.50.

SECY CHABANNE.—A distinct shade of salmon. Flowers large, plant strong and robust; a free bloomer. 3 feet. Each 25c; doz. \$2.50.

DR. NANSSEN.—Flower a clear bright yellow. Strong, vigorous and free flowering dwarf sort with large blooms of good substance. 2½ to 3 feet. Each 20c; doz. \$2.00.

DR. ROBERT FUNKE.—A scarlet-flowered variety growing heavy, dense blossoms. Height 4 to 4½ feet; green foliage. Each 20c; doz. \$2.00.

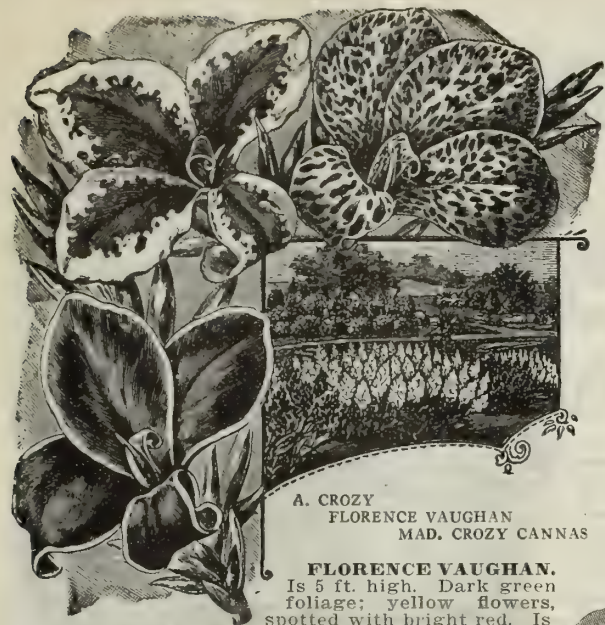
CONTRAST CANNA BED

A Few of the Best in a Bargain Offer.

2 Allemania	2 Chas. Henderson
2 Shenandoah	2 Dr. Nansen
2 Mlle. Beratt	2 Robusta

Twelve of the choicest sorts, showing a fine contrast in flower and foliage.

POSTPAID FOR \$1.25.



A. CROZY
FLORENCE VAUGHAN
MAD. CROZY CANNAS

fine for bedding. See illustration above. Each 10c; dozen \$1.00.

GLADIATOR.—Height 5 feet. A strong grower. Ground color a bright yellow, thickly spotted with crimson. A profuse bloomer and flowers are borne well above the foliage. One of the very best ornamental cannas. Each 20c; doz. \$2.00.

INDIANA.—Height 6 feet. Foliage glossy green. Flowers golden orange, marked and striped bright red. Spikes of flowers thrown up above foliage. Each 15c; doz. \$1.50.

ITALIA.—Petals have brilliant orange scarlet center, widely bordered with clear yellow. Height 4 ft. Each 15c; doz. \$1.50.

KATE GRAY.—Very large flowers, often six inches across. Color orange scarlet streaked and flaked with golden yellow. Height five feet. Each 15c; doz. \$1.50.

KING HUMBERT.—One of the grandest new cannas ever offered. Has flowers as large as the largest of the orchid flowering cannas. Bright orange scarlet streaked with crimson. Foliage is bronze with brownish green stripes, large, thick and leathery. Strong grower; height 4 feet. Each 20c; doz. \$2.00.

LOUISIANA.—Orchid flowered; color vivid scarlet. A strong grower; height 6 feet. Foliage green. Each 20c; doz. \$2.00.

MADAM CROZY.—Height 3½ ft. Green foliage; flowers vermilion red, gold bordered; a succession of flower trusses. Ea. 10c; doz. \$1.00.

MARTHA WASHINGTON.—Dwarf variety growing about three feet tall. Very profuse bloomer. Flowers large, and beautiful bright pink color. Each 15c; doz. \$1.50.

MILWAUKEE.—Foliage green. Height 4½ feet. Flowers a brilliant crimson of large size. A fine grower; sure to please. Each 20c; doz. \$2.00.

MISS BERTHINE BRUNNER.—Yellow flowers in large open clusters. Splendid showy flowers for bright effects. Each 15c; doz. \$1.50.

MILLE. BERATT.—Brightest pink. Flowers profusely. Height 3½ feet. Each 15c; doz. \$1.50.

MONT BLANC.—The nearest pure white of any canna ever offered. The flowers are large and showy. Each 25c; doz. \$2.50.

PENNSYLVANIA.—One of the best orchid flowered sorts. Foliage green, flowers very large, bright scarlet, shaded orange; height 6 feet. Each 15c; doz. \$1.50.

PRES. MEYER.—Height 4½ ft. A dark foliage variety, with very large petaled flowers of cherry red. Choice variety. Ea. 15c; doz. \$1.50.

QUEEN CHARLOTTE.—Blooms large, center of petal scarlet, with large ragged border of yellow, like illustration of A. Crozy in upper left hand of this page. Height 3½ feet. Each 15c; doz. \$1.50.

RICHARD WALLACE.—Height 4½ feet. Flower canary yellow; large flowers carried well above foliage. Strong, robust grower; dark green, massive foliage. Each 15c; doz. \$1.50.

ROBUSTA.—Effective large dark-leaved variety. Leaves 12 to 18 inches wide. Height 8 feet. Each 15c; doz. \$1.50.

SHENANDOAH.—Of medium height, growing about 4 feet. Foliage is a bright bronze of rather dark shade, with flower of good size and soft, pleasing pink in color. Each 15c; doz. \$1.50.

VENUS.—Flower bright pink, with narrow border of bright lemon yellow, center and throat splotted orange. Each 15c; doz. \$1.50.

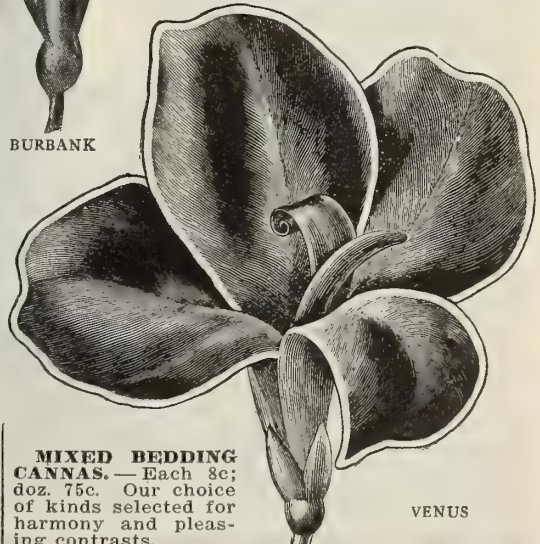
WEST GROVE.—Height 4½ feet. Flowers extra large, pink. Each 20c; doz. \$2.00.

WM. SAUNDERS.—Splendid large scarlet flowers in very large clusters. Strong; vigorous. Bronze foliage; 3 to 4 ft. Each 20c; doz. \$2.00.

WYOMING.—One of the most majestic flowering cannas in orchid-flowering class, with a luxuriant growth of rich purple foliage. Above are borne great plumes of massive orange-colored blossoms with large rounded petals. Seven feet. Each 15c; doz. \$1.50.



BURBANK



VENUS

MIXED BEDDING CANNAS.—Each 8c; doz. 75c. Our choice of kinds selected for harmony and pleasing contrasts.

CANNAS ARE THE MOST MAJESTIC OF ALL BEDDING PLANTS. A CHOICE LIST TO CHOOSE FROM

STATELY DAHLIAS

The Dahlia is one of the showiest of all autumn flowers. Commencing to flower in July, they are a perfect blaze of bloom until stopped by frost. Especially fine for cut flowers. They have been greatly improved and we now grow acres of them to supply the demand. Out of the many hundred varieties we have selected the following as of special value. For best results start roots early in the house. Late in the season, when dry roots become exhausted, we then fill orders with strong rooted pot plants.

BRONZE BEAUTY.—As indicated by its name, the flower is a beautiful bronze color. Of decorative type. Each 15c; 3 for 40c.

CATHERINE DUER.—A bright, shining red of decorative form. Makes fine cut flower. Each 20c; 3 for 50c.

CLIFFORD W. BRUTON.—A new show Dahlia of greatest merit. Extra large flowers of a bright golden yellow, perfect in shape and form; very early. Each 15c; 3 for 40c.

MRS. CHAS. TURNER.—(See Cut No. 1.)—Extra large, with long pointed petals and perfect form. Color clear, bright lemon yellow. Each 15c; 3 for 40c.

DELICE.—A decorative dahlia of beautiful rose pink color. One of the finest of the newer varieties. Each 20c; 3 for 50c.

ETHEL VICK.—Very early blooming variety; color delicate shell pink. Grown largely for cut flowers. Very handsome and the best of the pink sorts. Each 15c; 3 for 40c.

GRAND DUKE ALEXIS.—The flowers are of the largest size known in dahlias, being 18 inches in circumference, and of most beautiful form, petals being rolled up so that they overlap each other. Color pure snow white slightly tinged with delicate pink at center. No other variety equal to it in size or beauty. Each 25c; 3 for 65c.

JACK ROSE.—So named because the color is brilliant crimson red, almost exactly like the Gen. Jacqueminot rose. Fine for decorations or for cutting. Each 20c; 3 for 50c.

JEANNE CHARMET.—Violet pink over a rose ground. A decorative variety of exquisite loveliness. Each 20c; 3 for 50c.

JOHN WALKER.—A beautiful pure white, double show dahlia. A choice flower. Each 15c; 3 for 40c.

JUMBO.—(See Cut No. 3.)—Large flowers of deep crimson. One of the finest shades of color and a fine variety, producing large blooms in profusion. Each 15c; 3 for 40c.

KING OF FANCIES.—Color is almost indescribable, being most elegantly marked, striped and blotched with crimson, scarlet, pink, etc., on a white ground; variable. Each 15c; 3 for 40c.

LYNDHURST.—(See Cut No. 4.)—A rich and brilliant cardinal red. A popular variety on account of the color and substance of the flowers. Fine as cut flowers for decoration. Each 20c; 3 for 50c.

MAID OF KENT.—(Cut No. 5.)—Richest crimson velvet. About half the petals tipped with a large spot of white. Frequently flowers are solid scarlet, but most are variegated. Each 15c; 3 for 40c.

MILLER'S RED.—A bright, brilliant shade of red. A shining scarlet show dahlia. Each 15c; 3 for 40c.

NYMPHEA.—(See Cut No. 2.)—Color a distinct, clear, light pink, shading darker toward the outer petals. Inner petals nearly white. Each 15c; 3 for 40c.

PAUL KRUGER.—A paeony flowered dahlia of beautiful red and white contrasting colors. A new sort destined to become popular. Each 20c; 3 for 50c.

QUEEN VICTORIA.—Plant a robust grower and so covered with flowers as to appear almost like a solid mass of golden yellow color. Blooms early, very freely and continuously. Each 15c; 3 for 40c.

QUEEN EMMA.—A paeony flowered sort. Ground color bright rose, yellow margined. A strong, robust grower. Flowers are borne on long stems and are fine for cutting. Each 25c; 3 for 60c.

RED HUSSAR.—A double show dahlia of bright cardinal red. Fine form and vigorous growth. Each 20c; 3 for 50c.

WM. AGNEW.—Carmine red, rich and bright. Decorative type. Fine. Each 20c; 3 for 50c.

WM. PIERCE.—Deep, rich yellow; free flowering. Each 15c; 3 for 40c.

DOUBLE MIXED VARIETIES.—Contains a good proportion of best scarlet, yellow and white varieties, besides many other shades which are popular. Each 10c; doz. \$1.00.



DAHLIAS (REFER TO NUMBER IN DESCRIPTION)

COLLECTION OF DAHLIAS

One each of the five beautiful sorts shown in the above illustration

Postpaid for 65 Cents

CACTUS DAHLIAS

CRIMSON CACTUS.—A desirable dark crimson variety; should be in every collection. Each 15c; 3 for 40c.

KREINHILDE.—A most lovely flower of bright, shining pink, gradually shading to white at the center. It is a vigorous grower producing the flowers on perfect long stems, making it especially valuable for a cut flower. Each, 20c; 3 for 50c.

FLORADORA.—Is a very showy cactus dahlia of large size, intense dark crimson; an early and profuse bloomer. Each 20c; 3 for 50c.



CACTUS DAHLIAS

SINGLE DAHLIAS

ALBA SUPERBA.—A free blooming single flowered variety of pure white color. Each 15c.

CLOTH OF GOLD.—Bright golden yellow. Graceful and beautiful. Each 15c.

JOHN DOWNIE.—Clear bright red. Harmonizes with any other shade and is fine for contrast in a bouquet of dahlia flowers. Each 15c.

TWENTIETH CENTURY DAHLIAS

CRIMSON CENTURY.—Rich crimson, with halo of rose surrounding a yellow center. Markings distinct, flower striking in appearance. Each 20c; 3 for 50c.

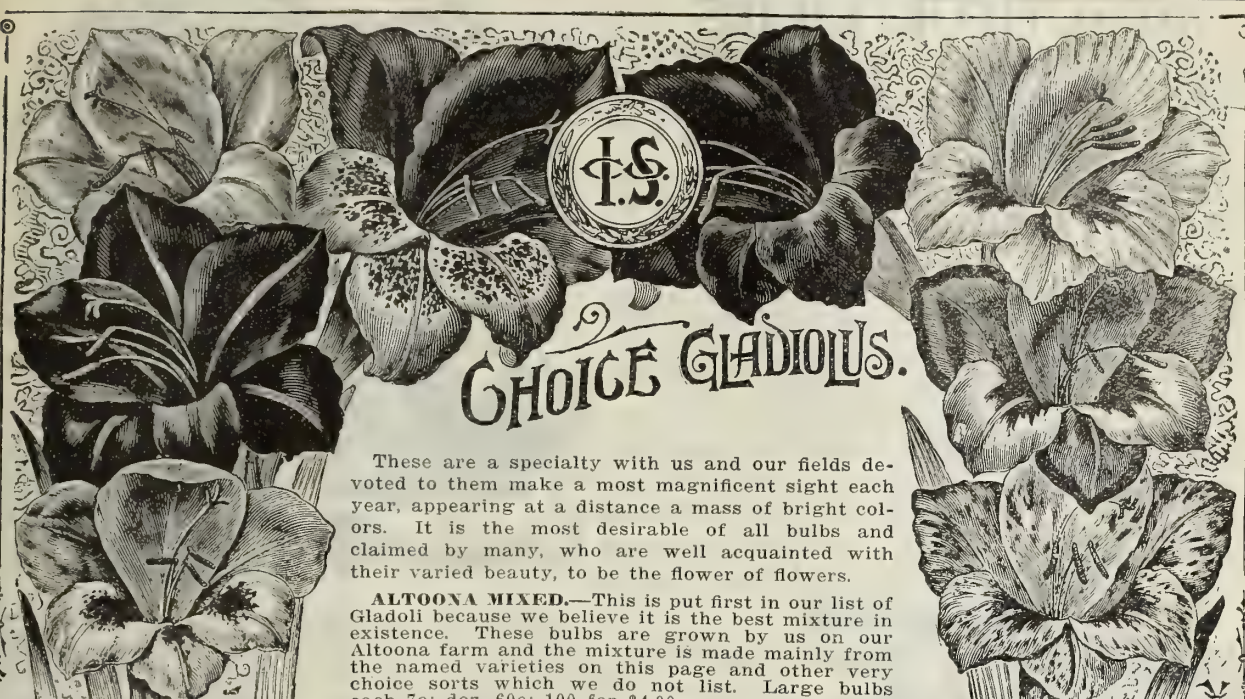
PINK CENTURY.—This is exactly similar in type to the Twentieth Century, but color is a solid, soft pink, very pleasing and delicate. Each 15c; 3 for 40c.

TWENTIETH CENTURY.—One of the beautiful orchid flowering single varieties of immense size, blooms ranging from 4½ to 7 inches in diameter. Color is of intense rosy crimson, with a white tipping and a white disk around the center. Each 20c; 3 for 50c.



TWENTIETH CENTURY DAHLIAS

THE BEST OF THE DIFFERENT DAHLIA TYPES ARE OFFERED. YOU CAN EASILY FIND YOUR FAVORITE



CHOICE GLADIOLUS.

These are a specialty with us and our fields devoted to them make a most magnificent sight each year, appearing at a distance a mass of bright colors. It is the most desirable of all bulbs and claimed by many, who are well acquainted with their varied beauty, to be the flower of flowers.

ALTOONA MIXED.—This is put first in our list of Gladioli because we believe it is the best mixture in existence. These bulbs are grown by us on our Altoona farm and the mixture is made mainly from the named varieties on this page and other very choice sorts which we do not list. Large bulbs each 7c; doz. 60c; 100 for \$4.00.

AMERICA.—A splendid new variety of beautiful soft pink shade. It will delight the gladiolus grower with its large flowers and pleasing beauty. Each 10c; doz. \$1.00.

AUGUSTA.—White ground color with blue shading. Fine variety as it is very vigorous and spikes are large and fine. A very beautiful flower. Each 5c; doz. 50c.

AUTUMN GLOW.—Many shades pink, red and yellow, producing the effect of highly colored autumn foliage. Strong spikes bearing 18 to 20 flowers on one side, making it desirable for bouquets. Each 10c, dozen \$1.00.

BRENCHLEYENSIS.—Deep vermilion scarlet. One of the brightest and most showy varieties. Each 4c, dozen 40c.

MRS. FRANCES KING.—A hybrid sort of great beauty and attractiveness. The color is very pleasing light scarlet. Spike strong, flowers large and usually a half dozen open at once. Each 10c; doz. \$1.00.

MADAM MONNERET.—This is a very lovely blossom of solid flesh pink color. Fine spike. Each 10c, doz. \$1.00.

PERFECTION.—A seedling of the Royal Queen, very much like its parent, but flower is more perfect, has longer spikes, brighter and clear color. Frequently 2 feet of the spikes are covered with flowers at one time, there being from 12 to 18 wide open flowers. The ground color is very nearly pure white, beautifully flaked and striped with bright, rich crimson. Each 20c; doz. \$2.00.

SNOW WHITE.—Quite a popular sort, as the beautiful snow white spikes contrast so well with the brilliant colors of other varieties. Each 25c; dozen \$2.50.

VELVET KING.—Almost solid colored flower of deep crimson. A very fine variety for bouquets or decorative effects. Each 20c; doz. \$2.00.

TACONIC.—A beautiful flower of lovely pink, striped and flaked lighter shade, and with throat of light blush. Crimson markings on lower petals. Each 20c; doz. \$2.00.

DR. CHEVILLE.—Color salmon red with buff blotch on throat. Of the Lemoine or butterfly type. Free bloomer with long spikes. Each 10c; doz. \$1.00.

KLONDYKE.—Color clear primrose yellow with blotch of crimson maroon. Striking. Strong and vigorous plant, blooming early. Each 15c; doz. \$1.50.

PRINCEPS.—Rich crimson with deep shadings in throat, and fine large white blotches on lower petals. Flowers are exceedingly large and fine and bloom for a long time. One of the most magnificent of gladioli. Each 20c; doz. \$2.00.

FEMININE GLADIOLUS COLLECTION

One each, Augusta, Grace, May, Mrs. Frances King and Madam Monneret, 5 choice sorts, only 35c.



PERFECTION. SNOW WHITE AND PRINCEPS GLADIOLUS

CANARY BIRD.—Without doubt the best yellow variety. Very pleasing and attractive. Each 15c; dozen \$1.50.

FLORIDA.—One of the earliest bloomers, color deep red. Very fine for mixed bouquets. Each 10c, doz. \$1.00.

GRACE.—Large open flowers. Blush white striped crimson with white throat; 10 to 15 flowers on stalk. Each 10c, doz. \$1.

INDEPENDENCE.—A Novelty of 1908.—Introduced by us, and is an extra choice variety, attracting great attention because of its extra large size, wide open flowers and handsome salmon rose color with violet shading. Each color is clear and distinct. It is a strong, vigorous grower, nearly 3 ft. high. Color varies as flower grows older. Ea. 10c, doz. \$1.

MAY.—Popular with florists. White flaked with crimson. Ea. 10c, doz. \$1.00.

SPECIAL GLADIOLI MIXTURES

For the benefit of such of our customers as wish a number of given tints for massing we are offering some mixtures of different shades at attractive prices. For the bed of varied colors we offer you some of the choicest mixtures to be found in this country.

SILVER TROPHY MIXED.—Considered one of the finest of commercial mixtures. Our stock was procured from the originator and has been carefully grown, so that we can without hesitation recommend it to our friends. Each 7c; doz. 60c; 100 for \$4.00.

GROFF'S HYBRIDS MIXED.—A mixture containing all the new varieties of this splendid type of prize gladiolus. Have been universally praised by admirers of this flower. Each 7c, doz. 50c.

GROFF'S BLUE MIXED.—A mixture in various shades of blue of the type of Groff's Hybrids so generally popular. Each 15c, dozen \$1.50.

LEMOINE MIXED.—Often called Butterfly Gladiolus. Have odd and fantastic markings. Ea. 5c, doz. 50c, 100 for \$3.50.

CHILDSII.—A mixture of this special type of gladiolus, striking in varied markings of flowers. Each 5c, doz. 50c.

RED MIXED.—Darker colors than the above. Each 5c; doz. 40c; 100 for \$3.00.

PINK MIXED.—Many varieties of this popular shade of color. Each 5c; doz. 50c; 100 for \$3.50.

WHITE AND LIGHT MIXED.—The light colored sorts. Each 5c, doz. 50c, 100 for \$3.50.

YELLOW MIXED.—Ranging from lemon to the darkest shades. Each 7c; doz. 60c; 100 for \$4.00.

FINE MIXED.—Our own mixture containing a wide range of color; offered at a very low price and we feel sure they will prove satisfactory. First size each 4c, doz. 35c, 100 \$2.50; second size each 3c, doz. 25c, 100 \$1.50.

BEAUTIFUL LILIES

Nothing can surpass the Lily in beauty; purity, delicacy and stately, magnificent grandeur. A few clumps planted in some place in your yard where they will not be disturbed from year to year, will reward you with abundant flowers. These varieties are, perhaps, the most popular lilies grown, being of easy cultivation, and producing large flowers of delicate beauty on strong stems. Bloom better the second year and thereafter.

AURATUM.—(Japanese Gold-Banded Lily.)—This is justly entitled to the name given it, "The Queen of Lilies." The immense flowers are produced in great profusion and are deliciously fragrant. The large white petals are thickly spotted with rich chocolate crimson, and have a bright golden yellow band through the center of each. Each 20c; dozen \$1.75; extra large bulbs each 30c; dozen \$2.75.

SPECIOSUM RUBRUM.—These are perhaps the most popular lilies grown, being easy of cultivation and produce large flowers of delicate beauty on strong stems; height from 2 to 4 feet. Blooms in August. Flowers are white, with a deep rosy or crimson band on each petal, with deeper colored spots between. They are 5 or 6 inches in diameter, very fragrant, and have all the hardness of the Speciosum class. Each 15c; 3 for 40c.

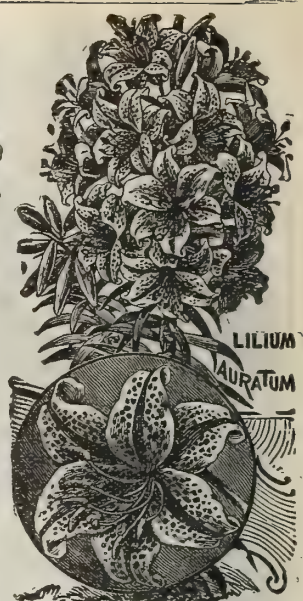
SPECIOSUM ALBUM.—Has large white flowers of great substance, beautifully recurved. Each 20c; 3 for 50c.

LONGIFLORUM.—(Easter Lily.)—This mammoth white trumpet lily, with flowers 4 to 5 inches long, is one of the best lilies for winter blooming, because its grand trumpet-shaped flowers, which give forth a delicate perfume, are wonderfully beautiful and expressive. When planted in the open ground they should be protected during the winter. Each 20c; 3 for 50c.

MELPOMENE.—Words cannot describe the beauty of this variety. Frosted white, spotted, clouded and bearded with pinkish crimson. Petals recurved, widely bordered. Each 20c; 3 for 50c.

EASTERN SPLENDOR

LILY COLLECTION.—One nice bulb each of the Auratum, Rubrum, Album, Longiflorum and Melpomene lilies for only 75 cents, postpaid.



CORAL LILY



LEMON LILY



DOUBLE TIGER LILY

limit to amount of bloom produced. Each 15c; dozen \$1.50.

SPECIAL OFFER.—We will send 3 Lemon and 3 Orange lily bulbs for 50c, postpaid.

ORANGE LILY.—(Hemerocallis Demorteri.)—Similar to Lemon Lily, but of fine orange color. A bed of these and Lemon Lilies intermingled will give a most pleasing effect in outdoor plantings, and the grower will be more than repaid by the wealth of blossoms available for table decorations or bouquets. We wish we might persuade all our flower-loving customers to try the two lilies mentioned, and we feel sure they will be delighted with results obtained. Each 10c; dozen 75c.

DOUBLE CORN LILY.—(Hemerocallis Kwanzo.)—A double-flowered orange lily. Each 10c; doz. \$1.00.

LILY OF THE VALLEY.—A well known and universally admired spring flowering plant, bearing bell-shaped, freely produced and powerfully fragrant flowers. To grow in open ground select a partly shaded rather moist situation, and they are charming when grown in large patches as their handsome green leaves and lovely sprays of flowers make a beautiful effect together. When once planted and established the crowns increase in number and the larger ones flower each year without attention. Now is the time to set out a bed of these delightful flowers. Our price is low for choice stock such as we send out. Four strong roots for 15c; dozen 35c; 100 for \$2.00.



LILY OF THE VALLEY

LILIES CAN BE PLANTED EITHER SPRING OR FALL WITH EQUALLY GOOD RESULTS



GLOXINIA



MADEIRA VINE



PEARL TUBEROSE



TRITOMA PFITZERI

FANCY FLOWERED GLOXINIA

We know of no bulbous plant that will give such universal satisfaction as the Gloxinia. Their charming trumpet-shaped flowers are exquisitely tinted, blotched or tigered with miniature dots of violet, pink or crimson. They are of the easiest culture in pots and bloom continuously for months. We have a grand strain of Hybrid Gloxinias in mixed colors or in separate colors of crimson, rose, scarlet, violet, white, etc. The Gloxinia may be handled with success anywhere if given good, rich, light soil and a partially shady situation until well started into growth. Each 10c; doz. \$1.00.

GIANT FLOWERED ISMENE

Really one of the most lovely of the great Amaryllis family, having a peculiar grandeur which one can appreciate at sight, but can not describe. The flowers are very large and of snowy whiteness and are also exceedingly fragrant. The bulbs bloom in a few weeks after planting. As a pot plant it is grand, and as a garden bulb treated like a gladiolus, it is the choicest of all flowers. Each 15c; doz. \$1.50.

MADEIRA VINE

Also called Mignonette Vine and Mexican Vine. A beautiful tuberous rooted climber, with glossy green leaves and handsome racemes of fragrant white flowers. The vine makes a very rapid growth and a few plants will cover a trellis or cottage wall in a single season. It is a very pretty thing to use for shading a porch or veranda. Each 5c; doz. 45c.

MONTBRETIA

CROCOSMIFLORA.—A new summer-flowering bulb, easier than the gladiolus to grow, but can be planted earlier and left in the ground later, as they are so hardy they continue to bloom after fall frosts. One of the brightest and most winsome flowers we know of. From July to October they are one mass of flowers, spike after spike of the flame-like beauties appearing. Very fine for cutting. Each 5c; doz. 40c.

SUMMER FLOWERING OXALIS

No bulb is so valuable for edging the borders of walks or flower beds as the beautiful flowering Oxalis. When planted three inches apart they produce an unbroken row of elegant foliage and pretty flowers; and they bloom very quickly after planting.

SHAMROCK.—Leaves resemble four-leaf clover; flowers rose color and borne in profusion on vine-like stems. Pretty for border. Doz. 10c; 100 50c; mammoth bulbs per doz. 15c.

DIEPPI ALBA.—Pretty low-growing variety with light green leaves and clusters of pure white bell-shaped flowers; blooms profusely. Doz. 10c; 100 for 40c.

LASIANDBRA.—Large, dark green, palmate or five-fingered leaves, with clusters of rosy pink flowers. This is taller than above. A most satisfactory bulb for bordering flower beds. Doz. 10c; 100 for 50c; mammoth bulbs, doz. 15c.



OXALIS SHAMROCK

RESURRECTION PLANT

A curiosity sure to interest children. Looks like a ball of dried moss, but when dropped into a bowl of tepid water it quickly opens out into a beautiful fern-like plant. It is not planted in earth. Each 10c; 3 for 25c.

TIGRIDIA

PEACOCK OR SHELL FLOWER.—Showy summer bulbs, blooming freely from midsummer until frost. Large, wide open, triangular blooms. Colors and markings are very brilliant and peculiar, odd and attractive. Clumps of them in a border have a most gorgeous effect. Very easily grown. Each 5c; doz. 50c.

TRITOMA

PFITZERI.—(Flaming Torch.)—Flower spikes are produced in great freedom and are gigantic in size, frequently 3 to 4 feet high. The flowers are of rich orange scarlet, shaded to a rich salmon rose at the edge. A bed of these in bloom is a grand sight, or, scattered through a flower garden it adds brightness and is in its glory when nearly all other flowers are seared with early frost. Each 20c; 3 for 50c.



RESURRECTION PLANT

TUBEROSE

NEW EXCELSIOR PEARL.—The tuberose is justly a universal favorite and very easily grown. This variety has short, robust stem and long spikes of large flowers, which are perfectly double and twice the size of the common tuberose, while of equally delicious fragrance. Spikes frequently bear 30 to 50 flowers, remaining in bloom for a long time. They are always wax-like, pure white, and unsurpassed for buttonhole bouquets. Monster bulbs each 7c; doz. 65c. First size bulbs each 5c; doz. 40c. Second size, doz. 25c; 100 for \$1.25.

MEXICAN SINGLE.—Grows 3 ft. high, producing two to five flower stems from one bulb. Flowers single, pure white, much pleasanter in fragrance than the Pearl. Each 5c; doz. 40c.

VARIEGATED LEAVED.—Leaf bordered creamy white; flowers single but very large and exquisitely fragrant. Bulbs continue to grow and bloom year after year. Each 5c; doz. 50c.

ZEPHYRANTHES

Popularly known as "Zephyr Flowers" and "Fairy Flowers." They are among our most beautiful dwarf bulbous plants, very effective for planting out in masses in the spring, flowering with great profusion during summer. Are very suitable for pot culture; 4 to 6 bulbs clustered in a 6-inch pot will give a fine display. Pink. Each 5c; doz. 50c.



ZEPHYRANTHES

YOU CAN GET RESULTS AT ONCE BY PLANTING SUMMER BULBS. OURS ARE ALL BLOOMING SIZE



VON SION DOUBLE NARCISSUS

NARCISSUS

VON SION.—The True Double Yellow Daffodil.—Has a rich golden yellow perianth and trumpet. This is the old favorite so highly prized in many old-fashioned gardens. Extra large double nozed bulbs, producing two or three flower spikes. Each 6c, dozen 60c; 100 for \$4.00.

EMPEROR.—Extra large single flowers, both trumpet and petals yellow. Each 6c, 100 for \$4.00.

EMPRESS.—Like above. Trumpet yellow, petal white. Each 6c, 100 \$4.00.

POETICUS.—“The Pheasant’s Eye,” or “Poet’s Narcissus.” Pure white flowers with orange cup edged with crimson. Hardy. Each 3c, doz. 25c.

INCOMPARABLE DOUBLE.—(Butter and Eggs)—Full double of rich yellow and orange. Each 4c, doz. 40c.

PAPER WHITE GRANDIFLORA.—Can be made to bloom in December. There is no more satisfactory bulb for house cultivation. Snow-white flowers. Each 5c, dozen 40c.

SINGLE EARLY TULIPS

BELLE ALLIANCE.—Scarlet flower striped with gold. Each 5c, doz. 50c, 100 for \$3.50.

COLEUR PONCEAU.—Rosy crimson, and tipped white. Ea. 3c, doz. 30c, 100 for \$2.00.

CRIMSON KING.—Showy, having large bright crimson flowers with yellow base. Each 4c, doz. 40c, 100 for \$2.50.

DUCHESS OF PARMA.—Orange-yellow, shading to terra cotta, with fiery yellow and brown shadings. Each 4c, doz. 40c, 100 for \$2.50.

COTTAGE MAID.—Carmine pink, center of petals feathered with white, base yellow. Each 4c, doz. 35c, 100 for \$2.50.

YELLOW PRINCE.—Bright yellow. Each 4c, doz. 40c, 100 for \$3.00.

LA REINE.—White, sometimes tinged with rose. Each 3c, doz. 30c, 100 for \$2.00.

SILVER STANDARD.—White, feathered crimson. Each 4c, doz. 40c, 100 for \$3.00.

GOLDEN STANDARD.—Bright red with golden stripes. Ea. 5c, doz. 50c, 100 for \$4.00.

KEIZERSKROON.—Rich crimson with a broad gold margin. Each 5c, doz. 50c, 100 for \$4.00.

SINGLE EARLY FINE MIXED.—All colors. Each 3c, doz. 25c, 100 for \$1.50.

IOWA SEED CO.’S BEST SINGLE MIXED.—From very best named varieties. Each 4c, doz. 35c, 100 for \$2.50.

PARROT TULIP.—Flowers are very large and showy; fantastic in form, being so toothed and corrugated as to resemble a parrot’s beak. Yellow, crimson or white, feathered with green, gold and scarlet. Each 3c, dozen 30c, 100 for \$2.00.

WINTER BLOOMING BULBS

Some of the most beautiful and fragrant flowers belong to this class, and when potted in the house, they come in bloom just at the time when flowers are most wanted. Bulbs arrive from Holland about Sept. 15th. The best way is to order during spring or summer, then your order will be filled as soon as bulbs are received. Orders filled in rotation upon arrival of stock, and if yours is on file you are sure to receive choice fresh bulbs and get your order in full. Sometimes stock is exhausted later in fall and some items cannot be supplied to late customers. These bulbs are solid and heavy and the postage is expensive but we prepay them at prices named. If any of these items appear on your spring seed or plant orders the seasonable goods will be sent and the winter bulbs will be mailed you at time specified above. Orders should amount to at least 25 cents.

FREESIA

One of the daintiest flowers for conservatory or window garden. Color white with yellow blotched throat; quite fragrant; free bloomer and will keep for two weeks in water after cutting. If planted early can be forced to bloom by Christmas. Six or eight bulbs should be planted in 4-inch pot. Not hardy.

Choice bulbs 3c, doz. 20c. Mammoth bulbs 5c, doz. 30c.

CROCUS

White, Mixed Shades of Yellow, Mixed Blue and Purple, Striped and Variegated Mixed, doz. 15c, 100 90c; Cloth of Gold, doz. 15c, 100 \$1.00; Mammoth Yellow, doz. 20c, 100 \$1.50; all colors mixed, doz. 10c, 100 60c.



DOUBLE, SINGLE AND PARROT TULIPS

DOUBLE EARLY TULIPS

LA CANDEUR.—Pure white. Beautiful with Rex Rubrum. Each 4c, doz. 40c, 100 for \$3.00.

REX RUBRUM.—A brilliant double scarlet. Each 4c, doz. 45c, 100 for \$3.50.

DUKE OF YORK.—Carmine rose, edged broadly with white, suffused rose. Each 4c, dozen 35c, 100 for \$2.50.

LA CITADELLE.—Purplish red, bordered yellow. Each 4c, doz. 35c, 100 for \$2.50.

TOURNESOL.—Orange scarlet with broad yellow tips and yellow base. Each 5c, doz. 50c, 100 for \$4.00.

MURILLO.—(Albino)—Blush white, and shaded rose. Ea. 5c, doz. 50c, 100 for \$4.00.

DOUBLE EARLY FINE MIXED.—An excellent assortment. Each 3c, doz. 25c, 100 for \$1.50.

IOWA SEED CO.’S BEST DOUBLE MIXED.—Made from choicest named varieties. Each 4c, doz. 35c, 100 for \$2.50.

SNOWDROPS

Single, doz. 15c, 100 for \$1.15, postpaid. Double, doz. 25c, 100 for \$1.75, postpaid.

SCILLA SIBERICA

Each 3c, dozen 25c.

JONQUILS

Of Narcissus family. Each 4c, doz. 30c.

ORNITHOGALUM

(The Great Flowered or Arabian Star of Bethlehem)—Each 8c, dozen 75c.

HYACINTHS

Single Varieties.

GERTRUDE.—Single, bright red large, superbly shaped truss. Each 15c, dozen \$1.50.

GIGANTEA.—Enormous in size, has broad spikes of a bluish-pink color. Each 15c, dozen \$1.50.

CZAR PETER.—Finest porcelain-blue; has large, perfect spike. Each 15c, dozen \$1.50.

L’INNOCENCE.—Single pure white; very large; blooms early. Each 10c, dozen \$1.10.

IDA.—Beautiful golden yellow; has large spike; best single yellow sort. Each 20c, dozen, \$2.00.

Double Varieties.

BOUQUET TENDRE.—A beautiful flower; deep crimson. Ea. 15c, doz. \$1.25.

GOETHE.—Large, fine truss; handsome citron yellow. Ea. 20c, doz. \$2.00.

BOUQUET ROYAL.—Fine light pink or bluish. Extra large spike. Each 15c, dozen \$1.25.

BLOKSBERG.—Light blue; large spike. Color very fine. Ea. 15c, doz. \$1.25.

LA TOUR D’AUVERGNE.—Is very early flowering and the best of all double whites. Each 15c, dozen \$1.25.

BEDDING HYACINTHS

SINGLE AND DOUBLE.

Pure white, rose and pink, red, light blue, dark blue, each 8c, dozen 80c. Yellow, each 10c, dozen \$1.00. Mixed, all colors, each 7c, dozen 75c.

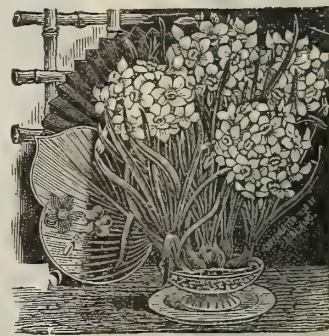
ROMAN HYACINTHS

The florists favorite. Much earlier in bloom than the larger Dutch sorts. Easy, quick forcing, fragrant flowers.

Pure White	5c	\$0.55
Light Blue	5c	.50
Delicate Rose	5c	.50
Canary Yellow	10c	1.00

CHINESE SACRED LILY

Most popular of all bulbs for winter blooming; of easiest culture. A variety of Polyanthus Narcissus grown by the Chinese. Produce a profusion of bloom in about six weeks from time of planting. Foliage a luxuriant dark green color, surmounted by large, satiny white, fragrant flowers with golden yellow cup. Partly aquatic and must have plenty water. Each 15c, doz. \$1.50.



CHINESE SACRED LILY



IOWA SEED COMPANY'S 31 GREENHOUSES

It is twenty-eight years since we purchased a range of greenhouses and during the past few years we have entirely rebuilt them, adding greatly to their size each year, and we now have thirty-one large greenhouses besides a large number of steam-heated hotbeds and cold frames, giving us one of the most extensive plants in the country. We employ experienced florists to look after this branch of our business and all their time and attention is devoted to growing flower plants and bulbs exclusively for the mail order trade, as for this purpose they require special culture in greenhouses kept at a low temperature so that they will be hardy, healthy and vigorous. Plants thus grown are much better prepared for shipment through the mails and for setting out in the open ground than those grown in the ordinary greenhouses which are kept at a high temperature. We are filling orders constantly from every state and also from Mexico and other foreign countries.

Our system of packing is so very complete that plants arrive in almost as perfect condition after traveling many hundreds of miles as they were when packed.

Terms and Discounts.—At prices named we send plants postpaid except where noted. Orders must amount to at least 25 cents, for if of less amount they are filled at a loss. With each order of 50 cents or over we add valuable plants without charge.

Special Express Rates.—All express companies now carry plants at a reduction of 20 per cent from regular merchandise rates. If you wish your plants sent by express we will put in gratis a few extra plants to help pay the charges.

We Guarantee plants ordered from this list to reach purchasers in any part of United States in good order by mail or express. Complaint must be made on receipt of goods.

Separate Plant and Seed Orders.—Write plant order on separate sheet so it can go to greenhouse for filling.

Notice.—We ship all plants as soon after order is received as weather permits. Bedding plants we will hold until usual season for setting out. If plants are ordered during winter for immediate shipment they will be sent at buyer's risk.

ABUTILON

SAVITZI.—One of the most beautiful new variegated-leaved plants in existence. Its maple-like leaves are almost white, being blotched here and there only with clear, bright green, a most charming contrast; very large, orange-colored, bell-shaped flowers. Each 15c.

SOUVENIR DE BONN.—A striking decorative foliage plant with beautiful variegated leaves of good size, regularly and evenly marked with white and green. Very large, graceful drooping, orange-colored flowers. Ea. 10c.

ARTHUR BELSHAM.—Green foliage. Flowers large, dark red without markings. Tall and erect. Strong grower, free bloomer; a satisfactory variety. Each 15c.

GOLDEN BELLS.—The best yellow flowering variety; of dwarf habit. Each 15c.

THOMPSONII PLENA.—Instead of single bell-shaped blooms like all other kinds, this has a perfectly double flower of a rich, deep orange color, shaded and streaked with crimson. Foliage handsomely variegated. Each 10c.

ERECTA.—Color pink, changing to orange. Each 10c.

COLLECTION.—One each of six Abutilons for only 50c.

ARAUCARIA

EXCELSA.—This beautiful plant resembles the pine somewhat in appearance, though much finer in texture, and is particularly adapted to table decoration. It is most unique in appearance. Its deep green, feathery foliage arranged in whorls—



ARAUCARIA

ASPARAGUS

PLUMOSUS NANUS.—One of the handsomest of our foliage plants for pot culture, beautiful the year round, and there is no more decorative plant in the entire list. Easily grown, even in a north window. Leaves bright green, gracefully arched, and as finely woven as the finest silken mesh; their lasting qualities, when cut, are remarkable, retaining their freshness for weeks. Each 10c; large 25c.

SPRENGERI.—A splendid new plant for hanging baskets or pots. It droops most naturally, sending out numerous feathery fronds which, in a short time, make a growth of 3 to 6 feet, forming an exquisitely handsome and striking picture. It produces small white flowers which are succeeded by red berries. A well established plant is literally a mass of emerald green. Nice young plants each 10c; large size each 25c.



ASPARAGUS SPRENGERI



ASPARAGUS PLUMOSUS NANUS

WE EXPECT TO PLEASE YOU WITH THE EXTRA PLANTS WE SEND WITH ORDERS



CHENILE PLANT

PRINCESS PAULINE—A most distinct, novel variety of dwarf, compact habit, rarely exceeding 5 inches in height. Both colors, blue and white, are combined in one flower. Free flowering the entire season and very bright and pretty. Each 10c; doz. \$1.00.

QUEEN ALEXANDRA.—Beautiful shade of dark blue; flowers extra size. Gives delightful effect for border of bright colored beds. Ea. 10c; doz. \$1.00.

WHITESWAN.—Pure whitesort; fine for borders or beds. Each 10c; doz. 75c.

LITTLE BLUE.—Very dwarf, growing 6 to 8 inches high; continuously in bloom all summer. Each 10c; doz. 75c.

STELLA GURNEY.—Color a deep even blue and literally forming a sheet of bloom all summer. Dwarf, compact growth. Each 10c; doz. \$1.00.

ONE EACH OF FIVE AGERATUMS NAMED ABOVE FOR ONLY 40c.

ASTER PLANTS

All best varieties mixed. Price is low and you should have a fine bed of these. Doz. 25c; 100 for \$1.50, prepaid.

PURITY WHITE.—Doz. 30c; 100, \$2.

ENCHANTRESS PINK.—Per doz. 30c; 100 for \$2.00.

CARDINAL RED.—Per doz. 25c; 100 for \$1.75.

ROYAL PURPLE.—Per doz. 35c; 100 for \$2.25.

12 EACH OF ABOVE FOUR COLORS FOR ONLY \$1.00.



ENCHANTRESS ASTER

well during the summer, beginning early in July, but its greatest value is for winter flowering. Each 15c.

PRESIDENT GARFIELD.—A sport from Alfred Neuner, with the same double flowers but differing in color, which is of a clear, rosy pink. Desirable. Each 15c.

HOGARTH.—Single Red.—Vigorous in growth. Each 15c.

HUMBOLDT.—Similar to above; flower white. Each 10c.

COLLECTION.—ONE EACH FOUR BOUVARDIAS, 40c.

ACALYPHA

BICOLOR.—Brighter and more attractive for bedding than *Coreus*. Leaves bright green margined with band of lemon yellow, dotted and spotted with the same color. Highest coloring in sunny situations. Each 15c.

TRICOLOR.—Mottled and blotched with crimson and scarlet on green background. Foliage extra large and maintains its markings best in summer heat. Each 15c.

MARGINATA.—Foliage bronze green, margined with bright pink on edges of the leaves. Contrast pleasing and attractive. Each 10c.

SANDERL.—(Chenile Plant).—A most striking ornamental plant of branching habit, healthy foliage and the flower spikes which appear in pairs from the axis of the leaves, grow from two to three feet in length. They are of a bright crimson color, drooping and mixing among the green foliage with charming effect. Desirable both for outdoor bedding and in house for winter. Each 15c.

ARTILLERY PLANT

A neat little plant resembling some ferns. Graceful habit makes it desirable for baskets and vases. Each 10c.

AGERATUM



PRINCESS PAULINE AGERATUM

SWEET ALYSSUM

SINGLE WHITE.—The common variety so largely used for borders and edgings. Nice little pure white flowers. Each 10c; doz. 50c.

DOUBLE.—A double-flowering sort. Cannot be produced from seed. Very desirable for either pots or bedding. Each 10c, doz. 75c; 100 postpaid \$4.00.

VARIEGATED.—Its flowers have grace and fragrance of the common alyssum. Foliage is variegated, making it specially pretty. Each 10c; doz. 75c; 100 for \$4.00, prepaid.

ACHYRANTHES

Beautiful foliage plants; useful for carpet beds and masses. Stand heat and sun without losing color and shear without injury. Eight kinds, each, 10c; doz. \$1.00; 100 for \$6.00.

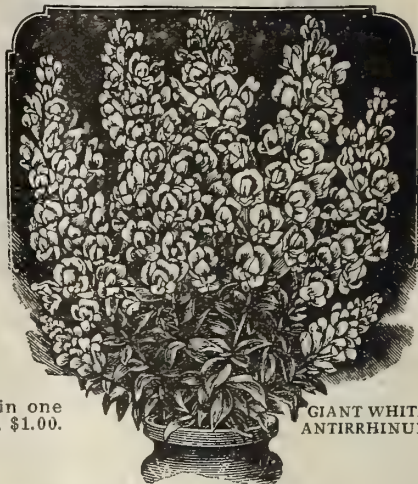
BOUVARDIA

ALFRED NEUNER.—This magnificent, showy plant is the ideal Bouvardia. It is a strong grower, making charming shaped plants, producing great clusters of the most beautiful waxy, double, pure white flowers, resembling bunches of miniature tuberoses. It blooms

ALFRED NEUNER
BOUVARDIA

ARTEMESIA

STELLERIANA.—Sometimes called Old Woman. Also known by some as Dusty Miller. Fine for borders or bedding on account of clear white foliage. Each 10c; doz. 75c.

GIANT WHITE
ANTIRRHINUM

ANTIRRHINUM

GIANT WHITE.—An especially fine variety of the Giant Snapdragon. Perpetual bloomer, producing dozens of long spikes of beautiful pure white flowers. Its blooms will last two weeks and because of their great beauty are grown in cities for sale as cut flowers. Each 10c; doz. \$1.00.

GIANT YELLOW.—Like white, but color is pure lemon yellow. Each 10c; doz. \$1.00.

KILLARNEY PINK.—The peculiar pink shade seen in the Killarney rose. Each 15c; doz. \$1.50.

GIANT RED.—Bright, brilliant flower; offered special to complete collection. Each 10c; doz. \$1.00.

ONE PLANT EACH OF THE FOUR COLORS IN ANTIRRHINUM, POSTPAID FOR 35c.

ALTERNANTHERA

Bright colored dwarf growing foliage plants, largely used for carpet bedding, borders, etc. It makes an effective plant for special designs in large beds, for lettering and small figures.

BRILLIANTISSIMA.—Is the brightest of any red variety.

AUREA NANA.—Foliage bright yellow, striped crimson and green.

PARYCHOIDES NANA.—Dark red with green and yellow stripes.

Either of above, each 10c; doz. 50c; 100 for \$3.50.



BEGONIAS

Begonias are greatly prized by lovers of house plants generally. The Rex types are perhaps the most magnificent of all foliage plants, while many of the flowering sorts present a most wonderful mass of blossoms; and all are beautiful.

COUNTESSE LOUISE ERDODY.—This variety is sometimes called "Snail Begonia" on account of the peculiar formation of the leaves. The form is exceedingly odd and unique. The striking peculiarity which distinguishes it from all other begonias consists in the fact that the two lobes at the base of the leaf do not grow side by side, but one of them winds in a spiral-like way until in a full-grown leaf there are four of these twists lying on top of the leaf nearly 2 inches high. The leaf has a metallic luster, dark silvery in the center, shading to coppery rose toward the margin, which is broadly and evenly edged with the same hue, but darker and more brilliant. Very curious. Each 25c.



LOUISE ERDODY BEGONIA

REX.—The Rex or King Begonia may well be called the king of foliage plants and they make a magnificent showing with their rich lustrous tints and tropical looking leaves. There are many different varieties, presenting a great range of beautiful markings and splendid color effects. Best results in moist and shaded situations, making it the very finest plant for household decoration. We have a particularly choice stock of these, including many different kinds, and we are sure they will please. Each 20c. Large specimen plants 40c.

MADAM DE LESSEPS.—Has very large leaves of silky texture beautifully spotted with silver. Flowers pink and white. Each 15c.

MARJORIE DAW.—A beautiful trailing variety; its bright salmon pink flowers are produced in broad panicles. Bright green "angel wing" leaves. Each 15c.

PROFUSION.—A new French variety of vigorous growth. Flowers are bright pink, produced evenly all over the plant. Each 10c.

FOURNAISE.—Flowers produced in large drooping panicles, bright red. Each 10c.

ALBA PICTA.—Leaves of a glossy green color, thickly spotted with silvery white. Flowers white. Each 15c.

METALICA.—This elegant variety has very large leaves shaded with green, crimson and olive, with a peculiar metallic luster over all. Flowers a clear pink, shaded with white. Each 10c.

RUBRA.—This fine variety is a constant bloomer. Heavy, waxy green leaves. Flowers rosy scarlet. Each 15c.

VERNON.—Of unusual value for bedding, as it will stand the hot summer sun. Flowers of pink, bluish and brilliant red, foliage sometimes margined with bronze purple. Each 10c; dozen 90c.



VERNON BEGONIA



REX BEGONIA

Beautiful Begonia Collection

One Rex, one Metalica, One Argentea Guttata, one McBethii, one Thurstonii, one Miniata, one Madam DeLesseps; seven fine plants covering nearly all the distinct types of Begonias and offering a wide range of beauty for only 75c, post-paid.

TUBEROUS BEGONIAS

SINGLE TUBEROUS ROOTED.—Giant flowering tuberous rooted begonia which has been brought to wonderful perfection. Flowers sometimes grow 6 in. in diameter, borne upright on stiff stems and of richest colors, embracing every shade—white, pink, scarlet, crimson and yellow. Each 10c, doz. 75c.

DOUBLE TUBEROUS ROOTED.—Shows the same shades and markings as the single flowered tuberous sorts. A few doubles and singles intermingled and showing a mixture of colors, will make a beautiful summer bed of bright flowers. Each 10c, doz. \$1.00.



THURSTONII BEGONIA

THURSTONII.—A stately growing variety with handsome glossy leaves. Remarkably fine foliage, the under side of the leaves being rich purplish red, with prominent veinings. Upper side bronzy green, shaded crimson and olive and a metallic luster over all. Flowers rosy white, in clusters. Each 15c.

MARGUERITE.—Leaves green above, red beneath, stems purple and covered with hairs. Flowers rose colored and borne profusely. Each 15c.

HAAGEANA.—Flowers rosy pink, bright and attractive. Plant tall. Shrubby with hairs on stems and leaves. Each 15c.

MCBETHII.—Foliage fine, fern-like. Panicles of pure white flowers produced in the greatest profusion. It is a most persistent bloomer. Each 10c.

SANDERSONII.—A variety growing in compact, bushy form, with deep, glossy green leaves and scarlet flowers in drooping clusters. Each 15c.

MINIATA.—A beautiful variety of upright bushy style of growth; flower bright scarlet. They are very free flowering. Each 10c.

NITIDA.—White flowers, delicately suffused rose, produced in good sized clusters of large flowers. Each 10c.

ARGENTEA GUTTATA.—Has purple bronze leaves with silvery markings. The flowers are white. A very vigorous, strong growing variety of the easiest culture and always satisfactory. Is an old, well known variety but still popular. Each 10c.



ARGENTEA GUTTATA BEGONIA

A FINE COLLECTION OF BEGONIAS IS ALWAYS A SOURCE OF PRIDE TO THE GROWER



BRYOPHYLLUM.

BOUGAINVILLEA

This beautiful flowering plant is very popular. It is of strong and rapid growth and the brilliant, rosy crimson blossoms are produced from early in March until midsummer, in fact, a plant will frequently cover the greater part of the year. Altogether, it is a most desirable subject for the conservatory or window garden. Each 15c.

BROWALLIA

MAMMOTH.—The most beautiful of all the Browallias. Plants grow only about a foot high, forming dense little bushes, covered with an abundance of most delightful sky blue flowers. For beds, borders or pots there is hardly another plant with blue flowers that compares with it. Each 15c, dozen \$1.25.

BRYOPHYLLUM

A most curious plant. Leaves thick and heavy and when cut and placed in moist soil little plants start from notches in them and make strong plants in very short time. Flowers look like long, green, red striped pods, through which breaks a pointed tube of dull red shade. Each 10c.

CAREX

JAPONICA VARIEGATA.—An ornamental Japanese grass which is extremely useful as a basket plant; of easy growth, standing the heated rooms with impunity, and hardy if placed out in the garden. Leaves striped with white. Each 15c.

CENTAUREA

GYMNOCARPA.—(Dusty Miller.)—A dwarf, silvery foliaged plant used largely for ribbon beds or borders. Each 10c; doz. 75c.

CACTUS

NIGHT BLOOMING CEREUS.—This gorgeous cactus bears abundant pure white blossoms measuring twelve inches across. A plant loaded with these flowers is a sight never to be forgotten. Blooms at night and is very fragrant. Better order one and call your neighbors in to see it bloom. This is the true round stemmed variety and not the common flat leaved sort. Each 15c.

CHRISTMAS CACTUS.—*Epiphillum.*—Also known as Lobster Cactus. Stems branching and hanging in bunches. Flowers bright red; blooms freely. Each 15c.

COCOLOBA

An upright growing plant with beautiful foliage and curious flat, jointed stems. Each 10c.

CYCLAMEN

GIANT FLOWERED.—Most beautiful and decorative of all pot plants, for winter and spring blooming. Foliage broad, massive and graceful, of dark green, beautifully variegated with silver and rose. The immense, fairy-like flowers are carried on long stems and produced in profusion for several months; quite fragrant. Assorted colors. Each 15c, extra large size 25c.

CHINESE LANTERN PLANT

GIANT SCARLET GROUND CHERRY.—A perennial of sturdy, upright growth. Balloon-like husks 2 to 2½ inches in diameter. These are at first light green, gradually turning bright yellow and then to intense scarlet. Fruit edible. Each 10c, 3 for 25c.

CHRISTMAS PEPPER

Surprisingly pretty house plant. A round, compact bush 12 to 15 in. in height with dark olive green leaves and covered with curious little heart-shaped fruits of bright colors—purple, white, yellow, orange and red on the same bush. Fruits are edible as the small common garden peppers. Each 15c.

CROWN OF THORNS

EUPHORBIA.—Very curious and remarkable window plant. Strong-growing plant that can be trained over any desired form. Bright scarlet flowers. An object of rare and striking beauty. Easily grown. It grows wild in Judea, and it is said that it was from this plant that the crown of thorns was made which was worn by our Savior, and it is therefore of special interest. Each 20 cents.

I received the plants in fine shape for which I am very thankful and appreciate your kindness very much.—Mrs. H. A. Remanger, Halley, Or g.



BOUGAINVILLEA.



MAMMOTH BROWALLIA.



CYCLAMEN.



CROWN OF THORNS.



NIGHT BLOOMING CEREUS.



CHRISTMAS PEPPER

Received the plants last night all in fine order. I am more than pleased with them and thank you for the extra ones.
Mrs. C. L. Bates, Hastings, N. Y.

CARNATIONS

Fragrant flowers are always sought after, and the rich, spicy odor of the carnation, combined with its various colors, leaves little to be desired. They are easily grown and bloom freely.

WHITE ENCHANTRESS.—One of the finest white carnations. In type and habit like the original Enchantress. Flowers extra large and of purest color. Strong grower and profuse bloomer. Each 15c.

WHITE LAWSON.—Like the original Mrs. Lawson in size and manner of growth, but pure white. Each 15c.

WHITE PERFECTION.—Is pure white. Blooms three inches and over in diameter. Beautifully fringed; fragrant; exceedingly free blooming; early and continuous; vigorous; the stems stiff. Each 15c.

LADY BOUNTIFUL.—Large, nicely filled flowers of purest white. Not only good for large sized blooms when given special care, but valuable for garden planting and pot culture. Very sweetly scented with that delightful old-fashioned clove fragrance lacking in many of the newer carnations. Each 15c; doz. \$1.25.

GOLD STANDARD, or Golden Beauty.—One of the best yellow carnations ever sent out. Flowers extra large, 3 inches in diameter, and double to the center. Color is a beautiful clear lemon yellow; and is slightly tipped with pink. Very fragrant. Each 15c.

SUNBEAM.—We consider this elegant new variety the best yellow-flowered sort ever sent out. It is nearly pure yellow, being faintly striped with red. Flowers large, very double, and produced in abundance. Each 15c; doz. \$1.50.

PRINCE CHARMING.—A beautiful shade of pink, with a satiny finish that makes it a dainty and distinct blossom. Very early, free flowering and rugged growth. Each 15c; doz. \$1.50.

RUBY.—One of the richest, darkest crimson varieties in existence and everyone should have it as a contrast to other sorts. A free bloomer, decidedly handsome. Each 15c; doz. \$1.50.

ENCHANTRESS.—A charming variety of immense size and delightful bluish pink color. The original of the popular Enchantress type of carnation, which is the favorite with all florists. Each 15c.

ROSE PINK ENCHANTRESS.—This elegant new variety, which is a sport from Enchantress, has created a great furore among florists and has captured the best prizes at flower shows. It is of extra large size and of beautiful rose color. Each 15c.



**SUNBEAM
CARNATION
COLLECTION**

ENCHANTRESS

Our Sunbeam Carnation Collection is our special floral offer for this season and the varieties in this collection are selected for this offer because of extra quality. The collection is made up of six choice varieties of different colors:

Sunbeam.—Golden yellow, slightly striped crimson.

Ruby.—Bright ruby red.

Windsor.—A very pure light pink.

Prosperity.—White, overlaid pink.

Perfection.—Large pure white.

Victory.—Finest scarlet.

One each of these varieties postpaid for only 60c.



**ENCHANTRESS
CARNATION
COLLECTION**

Five extra large flowering sorts of different colors:

Enchantress.—Pink.

White Enchantress.

Rose Pink Enchantress.

Harlowarden.—Crimson.

Gold Standard.—Yellow.

One each of above 50c.

ROSE PINK ENCHANTRESS

MRS. THOMAS W. LAWSON.—The immense pink variety for which Mr. Lawson paid \$30,000.00, the highest price ever paid for a plant novelty in this country. Flowers 3½ inches in diameter; color beautiful deep pink. Each 10c.

MRS. C. W. WARD.—This is a beautiful pink shade, somewhat lighter than Mrs. Lawson, but is of better growth, more vigorous and thrifty than that popular variety. Each 15c.

WINDSOR.—Clear, silvery pink. A beautiful, distinct shade of color which is sure to please. A large-flowered sort, free blooming and desirable. Each 15c.

DOROTHY GORDON.—This is of the Rose Pink Enchantress type, but is a more even shade of pink, and is the most vigorous of the Enchantress class. Each 15c.

HARLOWARDEN.—A bright, dazzling crimson flower; a very free bloomer, bearing flowers on long stems, making it very desirable as a cut flower. Very popular with florists and a splendid variety for the amateur. Each 15c.

VICTORY.—Many carnation growers say it is the finest scarlet color of any carnation. Even when the flowers are aged they seem to retain their bright color. It is very easy to grow and for that reason is a favorite with amateurs. Vigorous in habit and a very free bloomer. Each 15c.

SCARLET GLOW.—A very beautiful carnation, intensely brilliant red, of fine form and substance, fragrant and lasting. Preferred among red carnations for its brightness. Each 15c; doz. \$1.50.

O. P. BASSETT.—A bright red flower of very large size and continues in flower for several months. Easy to grow. It has won many prizes at various flower shows and has reached an immense popularity since its introduction. Each 15c.

VARIEGATED LAWSON.—Closely bearing out the admirable Lawson type in all respects, color being a pretty commingling of pink and white. Each 15c.

GLORIOSO.—One of the best of the variegated carnations. Color white, with bright stripes of deep pink. Blossoms large; plant of strong, vigorous growth and a desirable variety. Each 15c; doz. \$1.50.

PROSPERITY.—One of the largest carnations of any color ever offered. Flower four inches across, with a delightful clove fragrance. Color is a pure white, overlaid with shadings of soft pink. Each 15c.



WHITE ENCHANTRESS AND HARLOWARDEN

CHRYSANTHEMUMS

These are now, and deservedly, the most fashionable of all autumn flowers. All these varieties are excellent for pot culture, and the best of their class. Attract universal attention at great flower shows on account of large size, exceptionally fine shape, and handsome colors. Their large size is of course especially noticeable when grown as a single stem and only one flower is allowed to develop on each plant.

Tri-color Chrysanthemum Collection

Extra Early Blooms of Extra Large Size.

EARLY SNOW.—The earliest of the large pure white sorts. Each 15c.

GOLDEN GLOW.—The earliest of all. Described below on this page. Each 15c.

GLORIA.—A superb extra early clear pink. The earliest pink. Each 15c.

ONE EACH OF THE ABOVE THREE EARLIEST KINDS—BLOOM BEFORE FROST—POSTPAID, 35c.

GOLDEN WEDDING.—An old standard sort. Flowers of deep golden yellow, 10 to 12 in. across, petals long and broad. Each 10c.

SILVER WEDDING.—Of same type as above, with pure white flowers. A popular standard sort and fit companion for the Golden Wedding. Each 10c.

YELLOW EATON.—An immense flower of a bright golden yellow color. One of the finest varieties of this color. Each 15c.

ROBERT HALLADAY.—One of the most popular of yellow sorts, because of early bloom and unique flower. Strong, vigorous plant with bloom of large size. Each 15c.



ROBERT HALLADAY

DR. ENGUEHARD.—A magnificent new variety of very large size and solid appearance. It is a true bright pink, one of the largest and best ever introduced; is handsomely incurved and very pleasing in appearance. Blooms early in November and makes a splendid pot plant with stiff stem and healthy foliage. Each 15c.

MRS. BUCKBEE.—Fine, large and pure white; incurving with outer petals reflexed. Sure to give satisfaction. Each 15c.

MARY ANN POCKET.—A dwarf bushy grower, making a fine pot plant. Color a beautiful Indian red on opening, with a bronze reverse. As the flower ages it gradually incurves until it becomes a ball of bronze. Each 15c.

IVORY.—This fine old ivory white variety is still popular. Is the equal of the newer sorts and is a very fine sort for the amateur. Each 10c.

TIMOTHY EATON.—A globular Japanese incurved variety of perfect form and growth. Color pure white when fully developed. A prize winner at all shows last fall. Each 15c.

PERCY PLUMRIDGE.—Buttercup yellow. A Japanese incurved variety with bright, shining color, attracting special attention and winning prizes at leading shows. Each 15c.

MILIE C. TOUSETT.—A glistening white sometimes with pearl tints. Petals very broad, incurved. A variety sure to give results to the amateur. Each 10c.

A. J. BALFOUR.—A grand Japanese variety, one of the finest bright dazzling rose pink; nothing to touch it in color. Each 15c.

PRESIDENT ROOSEVELT.—Is of unique color. Ground color is pure white tinged pink in center and on end of each petal; at a short distance appears light pink. Each 15c.

ALICE ROOSEVELT.—White, with solid blooms continuing a very long time. Will last for weeks after cutting. Each 15c.



MARY ANN POCKET



GLORIA

GOLDEN GLOW.—The earliest of the mammoth yellow flowered sorts. Easily grown and very desirable for the amateur. Offered specially in Tri-color Collection, top of page. Each 15c.

MONOGRAM.—A mammoth flower often 7 inches in diameter. This is one of the leading pink varieties, popular because it has real merit. Blooms compact, of great substance and clear color. Each 15c.

W. T. ROBERTSON.—Large Japanese flesh colored flower; a grand grower; stem and foliage perfect. Midseason. Each 15c.

POLLY ROSE.—One of the very best early white varieties; a great favorite with florists. Blooms in midsummer. Each 15c.

HARRISON DICK.—Without question the finest red and gold; makes a splendid pot plant. Each 15c.

SUPREME CHRYSANTHEMUM COLLECTION

Our superb offer of the finest large Chrysanthemums selected from the entire list as the choicest for home blooming.

SUPREME.—A mammoth flowered variety, bright shining pink in color, strong and vigorous in growth. Very early and fine for a pot plant. Each 15c; 3 for 40c.

MATCHLESS.—Flowers of Japanese reflexed form and beautiful Indian red in color. A magnificent variety of fine habit and sturdy growth. Each 20c; 3 for 50c.

WHITE PLUME.—A beautiful clear white "Ostrich Plume" chrysanthemum. Grows strong and blooms freely. Each 20c; 3 for 50c.

COL. APPLETON.—If you only have one yellow "mum," let it be Appleton. It is a perfect model. Dwarf, stiff stemmed, elegant in foliage, enormous in bloom, finely incurved and golden yellow. Perfectly healthy. Each 15c.

One plant each of the above four Supreme Chrysanthemums, only 50c.



LOUIS BOEHMER

OSTRICH PLUME SET

WHITE SWAN.—This is an exquisitely beautiful variety with grand pure white flowers of globular form; petals broad and lasting and thickly covered with fine downy hairs so much admired. Strong and vigorous plant. Each 15c.

LEO CADIE.—The best yellow Ostrich Plume. A splendid deep golden color and by many named as finest of its class. Each 15c.

LOUIS BOEHMER.—Like above, but of a deep pink color; fine. Each 15c.

One each of the three varieties Ostrich Plume for only 30c.

SINGLE CHRYSANTHEMUMS

ARTHUR HONE, canary yellow; **CECIL DENYER,** milk white; **LADY SMITH,** pink; **GOLDEN STAR,** yellow; **REV. W. E. RENFREY,** maroon; **WYNDHAM,** pure white.

Any of these 10c each; or will mail the entire six for 50c.

POMPON CHRYSANTHEMUMS

These small 'mums are popular again; give showers of bloom after most other flowers are gone.

NIO.—Delicate pink.

EMO.—Golden yellow.

INGA.—Small red flowers.

BABY.—Smallest yellow.

PANAMA.—Dark red.

LULU.—Fine white.

Any of the above each 10c; per doz. 75c. One each of six named for 50c.

WE OFFER MANY SPECIAL BARGAINS IN THE VARIOUS COLLECTIONS OF PLANTS, AS LISTED

COLEUS

Whoever has been in our large city parks will never forget the ornamental beds, curving and quaint designs and mingling arabesques of all colors—which look like varicolored rugs spread at short intervals on the smooth lawn. These are formed of Coleus. The following include the very best varieties.

PRICES.—All of the varieties of coleus named below each 10c; doz. 75c. Mixed varieties suitable for bedding, unnamed, 60c per dozen; \$4.00 per 100, postpaid.

ANNA PFISTER.—Pointed leaves with deep scalloped edges. Color bright golden yellow intermingled with green and crimson. Of dwarf and compact but spreading habit.

BECKWITH'S GEM.—A new sort of striking appearance. The large leaves have fine scalloped edges. It shows four shades of color, center maroon, bordered red; edge green with point of yellow.

BLACK BIRD.—Leaves and stem almost jet black; fringed edges.

CHICAGO BEDDER.—Bright red. Leaves slightly serrated. It is a very handsome variety.

CRIMSON BEDDER.—Purplish crimson.

DEWEY.—A better bedder and a brighter color than Verschaffeltii; color a bright crimson, edged maroon.

ELDORADO.—A bright yellow leaf, and strongly serrated. Plant is a strong, vigorous grower and somewhat larger than Golden Bedder. A splendid variety.

GOLDEN BEDDER.—Color yellow. This is the best yellow coleus for bedding; deep gold in the sun.

JOHN PFISTER.—Like Anna Pfister in growth but bright crimson color; edged with gold.

MRS. F. SANDER.—Large, creamy white center, bordered with green; blotched crimson and purple; fine for pots.

PERFECTION.—Bright crimson with yellow border. **MRS. JOHN BOEHMER.**—Rich maroon bordered with golden band. Large pointed leaf.

SUNSET.—Center of leaf brownish purple shading to crimson; edge yellow.

VERSCHAFFELTII.—The oldest, still one of the best; rich, velvety crimson.

CARPET COLEUS BED

Fifty choice plants selected by us in varieties to produce a beautiful bed of colors, prepaid only \$2.00.



Farfugium Grande.

vigorous, strong-growing plant bearing large clusters of pure snowy white without any yellow shading or center. An excellent plant for bedding producing a succession of bloom, and is very fine for cemeteries. Each 10c; doz. 75c.

FORGET-ME-NOT

Everyone loves the charming little Forget-Me-Not and it seems strange that it is not more often seen in our gardens. They are easily grown and will bloom freely and continue to thrive year after year. Each 10c; doz. 75c.



GREVILLEA OR SILK OAK

GREVILLEA

SILK OAK.—One of the quickest growing of any of the ornamental house plants. It is easy to manage, grows rapidly and is pretty in all stages of growth. With its long, drooping, silky foliage, it reminds one of a palm or fern. The young growths are of a light bronze color, the tips being covered with a soft down closely resembling raw silk. Each 15c.

GENISTA

SHOWER OF GOLD.—A most desirable plant. The drooping branches are covered with delicate sage-green foliage and every twig is tipped with a long raceme of exquisite pea-shaped blossoms of a pure canary color, almost hiding the foliage. Each 10c.

I received the bulbs and plants yesterday in fine shape and I am more than pleased with them. You sent three plants extra that I did not order.—Mrs. H. Carhino, Montesano, Wash.

The plants arrived yesterday and were in first class condition. I was greatly surprised to see such fine plants for the price you charged.—W. S. Slater, Newport News, Virginia.



NEW VARIETIES OF COLEUS.

CUPHEA

PLATYCENTRA.—This is the old-fashioned cigar plant with narrow, tubular flowers of scarlet tipped with purple. Popular because it is always in bloom; bright and attractive. Each 10c.

TRICOLOR.—A variety showing three colors on each flower; scarlet, tipped purple and white. Is easily grown, free flowering. Each 10c.

CYPERUS

UMBRELLA PLANT.—Listed and described by us with aquatic plants illustrated on page 130. It is very successfully grown as a pot plant, the only requirement being plenty of water. Each 10c; large 25c.

DRACENA

INDIVISA.—(Fountain Plant.)—Quite generally listed among palms. It is a decorative plant growing about 2 feet high, with slender, drooping, green leaves, long and narrow. Each 15c; large 25c.

DOUBLE DAISY

Very double pure white and pink flowers. It blooms freely and makes a fine plant for growing in beds alone or with pansies. Each 10c; doz. 60c.

ECHEVERIA

A little, succulent plant, commonly called "Old Hen and Chickens." Used in parks and cemeteries for ribbon beds and borders. Each 10c; doz. \$1.00.

ELECTRIC LIGHT PLANT

A very showy plant, belonging to the Cleome family, which blooms constantly from July until killing frosts. Desirable either for specimen plants or bedding; four to six feet high. Each 10c; doz. 75c.

FARFUGIUM

GRANDE.—(Leopard Plant.)—A beautiful ornamental foliage plant, for planting in open border, or in shaded position; leaves 4 to 8 inches in diameter, of thick, leathery texture, dark green with bright yellow spots. Each 15c.

FEVERFEW

IDEAL.—Originated on our place and is far superior to the older sorts. It is a more than pleased with them. You sent three plants extra that I did not order.



ELECTRIC LIGHT PLANT

MAKE A FLORAL RUG ON THE LAWN BY PLANTING VARIED COLEUS AND TRIMMING AS THEY GROW

FERNS

FLUFFY RUFFLES.—(Superbissima.)—A new upright growing variety, darker and richer in color than any other fern in our list. Fronds are as finely cut as the Whitmani or Elegantissima varieties, and exceeds either of these sorts in robust, hardy growth. The vigor, habit and color of this fern are so far superior to ordinary sorts that it will delight every lover of fine ferns. Each 25c.

BOSTON FERN.—(Improved Sword Fern.)—This is a wonderfully healthy, rapid growing and graceful house plant which has been in great demand everywhere, and many people buy it in preference to the finest palms or rubber plants. Thrive in all rooms, gas or furnace heat does not seem to injure it. It is one of the most beautiful and useful of house plants, being of easy culture, and its sword-like fronds, on large specimens, attain the length of 5 to 6 feet, produced in bewildering mass, arching, curving and interlacing in every conceivable direction. Each 15c; large plants 25c and 50c.

OSTRICH PLUME FERN.—(Amorpohli.)—A beautiful novelty which is a sport from the above but is indescribably more beautiful. Its feathery, plume-like fronds more nearly resemble the graceful ostrich plume than anything in nature to which we can compare them. One has to see a plant in growth to appreciate its beauty and value. Fronds grow broad and heavy, measuring at least six inches across when well grown, increasing in beauty as they develop. Each 15c; large 25c, 50c and \$1.00.

WHITMANI.—Combining all the graceful pluminess and charm of Elegantissima, with additional features of shape, size and growth that give it distinction and added commercial value. Whitmani is of more dwarf growth, but equalizes matters by compactness, and a wider, stockier shape. The fronds, although even more fine-cut, are more erect and less liable to revert to the original Boston type. Each 20c; large 50c; extra fine specimens \$1.00.

ELEGANTISSIMA.—This is a sport from the well known Ostrich Plume fern in which the plummy peculiarity of the original form is even more distinctly developed, the side pinnae being again subdivided, making both sides of the frond equally beautiful, while at the same time the plant is of much more compact habit, growing only one-half as tall, but with fronds nearly twice as wide, making it a much more desirable plant for all purposes. They are quite rare. Each 15c; large 50c.

ROOSEVELT.—An improved variety of Boston Fern, much more striking and attractive than the parent sort. It produces a greater number of fronds than the Boston, handsomer. Fronds have undulating pinnae, giving a wavy appearance to the fronds, not seen in any other fern. It is very highly recommended by experts for its hardiness and beautiful appearance. Each 25c; large 65c.

GOODELL.—(Baby's Breath.)—An elegant small Ostrich Plume fern. Fully equal to the best of this type in pluminess and graceful form, but far more dainty and exquisite. The bright color, feathery fronds and elegant form make it a notable specimen in any collection. A variety of recent introduction which gives promise of great popularity. Each 20c; large 50c.

SCHOLZELI.—This is a new type of Ostrich Plume fern, growing compact and bushy after the manner of the Scott variety. A very fine and satisfactory sort. Each 20c.

EMERALD PLUME FERN COLLECTION

OSTRICH PLUME.—(Amorpohli or Emerald Lace.)—The large, strong growing ostrich plumed variety.

ELEGANTISSIMA.—More delicate and finely divided than the above.

ROOSEVELT.—The compact, wavy type of the original Boston or Sword Fern.

SCHOLZELI.—The compact, wavy type of the Ostrich Plume varieties.

ONE EACH FOUR FINE OSTRICH PLUME FERNS POSTPAID TO YOUR ADDRESS FOR ONLY 50c.

DAINTY SMALL FERNS

JAPANESE FERN.—(Onychium Japonicum.)—A very graceful small variety growing in similar form to the well known Asparagus Fern. Each 15c.

MAIDEN HAIR FERN.—(Adiantum Cuneatum.)—Very popular. The most graceful and useful of all for cut flower work. Each 15c.

HOLLY FERN.—(Cryptomeria Falcatum.)—Rather broad, dark, glossy green foliage. Quite easily grown, very ornamental. Each 15c.

MOSS FERN.—(Selaginella Emilliana.)—Also called Lycopodium. Has delicate lace-like foliage. Fine for fern dishes and always beautiful. Each 15c.

CRESTED FERN.—(Pteris Wimsetti.)—One of the most popular of the small ferns. Striking lanceolated foliage: upright growth. Each 10c.

DAGGER FERN.—(Aspidium Tsussimense.)—A miniature sword fern. Specially adapted to small ferneries or fern dishes. Each 15c.

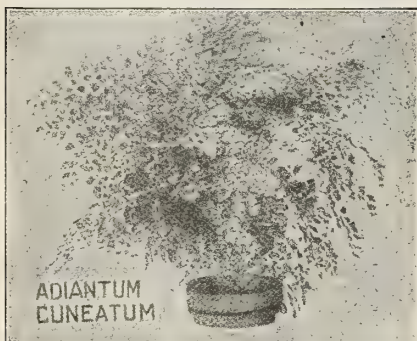
SILVER FERN.—(Pteris Victoriana.)—One of the newer sorts with lovely foliage, each leaf of which has a silver variegation through the center. Each 20c.

DAINTY FERN COLLECTION

One each of the above seven fine table ferns, a most beautiful collection, only 75c.



FLUFFY RUFFLES FERN



ADIANTUM
CUNEATUM



ASPIDIUM
TSUSSIMENSE



ONYCHIUM
JAPONICUM



FROND OF ELEGANTISSIMA FERN



AIR PLANT

AIR PLANT

An exceedingly beautiful green, feathery, plummy moss, prepared from dried seaweed. Has every appearance of a most delicate fern and retains its beauty and fresh appearance for an indefinite period. Is much used in small baskets and fern dishes, usually containing two to four bunches. Our stock is far superior to the grade commonly sold. Per bunch 20c; 3 bunches for 50c.

FUCHSIAS

These, when in full bloom, are the most graceful of all cultivated plants; nothing surpasses the beauty of well grown specimens.

ROBERT BLATRY.—One of the very finest fuchsias. Grows upright like a tree. Strong and robust. Flower very long, sepals rosy white; corolla carmine salmon. Altogether lovely and desirable. Ea. 15c.

ELM CITY.—A popular variety and one of the best; tube and sepals bright coral red; large double purple corolla; blooms all year. Ea. 10c.

MONARCH.—This is by far the largest of the single varieties. Its immense blooms are a very dark purple. Single fuchsias are most graceful and are preferred by many to the double varieties. Each 10c.

TRAILING QUEEN.—Of beautiful trailing habit; fine for hanging baskets. Bright rich scarlet and purple flowers. Each 15c.

JUPITER.—This giant flowered variety comes from France, where the improvement of the fuchsia is given particular attention by a number of leading florists of that country. It is really a wonderful sort, producing blooms of exceptionally large size with superb coloring that attracts and delights the eye with its glorious hues. The tube and sepals are of bright, glowing crimson, while the corolla is of very rich violet purple, very double and widely extended. Plant is strong, vigorous grower, making a handsome pot plant. Each 15c.

SNOW QUEEN.—The fine, large, brilliant flowered queen of fuchsias. Sepals are carmine while the double corolla is white, with faint tinge of rose, and the flowers are very large, only equalled in size by its companion flower, Jupiter. Many of the fuchsia flowers appear strong and bold from their coloring, but the Snow Queen appeals most because of its majestic flower and modest loveliness of color. Nature has thousands of shapes and colors in her floral kingdom, but in all her myriad forms she has not surpassed this lovely blossom. Each 20c.

ROSAINES PAITRE.—Double white corolla with deep carmine sepals; a blossom of beautiful contrast. Extra large. Very desirable sort and blooms very freely. Plants strong and of sturdy growth. Each 10c.

GUSTAV NADAUD.—Sepals very brilliant; corolla double purple. A giant-flowered sort of unusual beauty. A strong, free grower. Each 15c.

LITTLE PET.—A little beauty, the plant being covered with a profusion of small pink and purple flowers. Each 15c.

MARY.—A great novelty. Large clusters small but very long, single, bright coral red flowers. If you like fuchsias you must have it. Each 15c.

BLAND'S NEW STRIPED.—A new variety of exceedingly delicate beauty. The tube and sepals are a glowing crimson, while the corolla of violet purple is regularly and distinctly striped bright pink. The contrast is not striking in its entirety, but rather of delicate and pleasing effect. Each 15c.



PHENOMENAL



BLACK PRINCE



MONARCH



SNOW QUEEN



TRAILING QUEEN



JUPITER



ELM CITY



ROBERT BLATRAY

FIVE FANCY FUCHSIAS, 50 CENTS

Graceful, Attractive Plants with Delightfully Brilliant Blossoms
A Dainty Addition to Home Collection

If you are a lover of flowers you should have this fuchsia collection. They are distinctive in form and coloring and add greatly to the charm of a choice collection of plants by the loveliness of both plant and flower.

WHITE PHENOMENAL.—The grandest double white variety in existence; should be in every home. Flowers are enormous size, sepals bright carmine, with large, pure white, double corolla. Each 15c.

PHENOMENAL.—Enormous flowers, a single one measuring 3 inches across; sepals bright scarlet, rich purple corolla, very double, flaked with red. Grows upright, and with strong, vigorous trunk, making a handsome plant. Each 10c.

BLACK PRINCE.—Of upright and robust growth and generally most satisfactory of all fuchsias for the amateur, as it seldom fails to bloom profusely and grow in good form and symmetry. We once had a plant of this variety in our greenhouse that grew a perfect shaped shrub 7 feet high and was loaded with fully 2,000 blossoms at one time. Tube and sepals bright carmine, sepals large and broad with pale green tips; large, violet pink corolla. Each 10c.

SUNRAY.—A lovely plant, with pretty blossoms of delicate and pleasing qualities, with added attractiveness of divers colored foliage. A novelty in the fuchsia family, because common varieties are wanting in the variegated foliage which adds so much to the beauty of Sunray. The colors of the sunset, clear yellow, golden bronze, and red, are combined in the most effective way to make a pretty house plant. Flower is pink or deep rose sepals with bright carmine corolla. Each 20c.

SPECIOSA.—An old favorite, greatly prized for its profuse blooming qualities. Sepals of the flowers are more elongated than other sorts, and of soft, rosy pink color. Corolla is single form, carmine crimson color, making a beautiful and pleasing blossom. A well grown plant in bloom is a veritable flame of color, and the dainty flowers mingling among glossy green foliage produces a graceful and charming effect. Each 10c.

FUCHSIA COLLECTION, ONE STRONG PLANT EACH, ABOVE FIVE SORTS 50c

OUR SPECIAL OFFER ON THIS PAGE IS A GENUINE BARGAIN FOR PLANT LOVERS



WHITE PHENOMENAL

SINGLE GERANIUMS

Geraniums are the most easily grown and satisfactory of all flower plants and only the rose can vie with them in popularity. We have about 200 varieties growing at our place and test a large number of new sorts every year. After careful comparison we have selected the following as the best:

AUREOLE.—(Mad. Bruant.)—Fancy flowered sort; remarkable colors. The plant is loaded with blooms and each floret is large, center being white and beautifully veined with carmine lake, radiating into a handsome aureole, each petal being bordered with bright solferino. Fine pot plant and a constant bloomer. Each 15c.

ADMIRATION.—A flower of beautiful light salmon color, feathered with apricot. A delicate and lovely shade. Plant strong and robust. Each 15c.

ALICE OF VINCENNES.—A charming novelty which has a border of intense scarlet forming a band around the body color of rosy pink, heavily veined scarlet; center white. Each 10c.

BIRD'S EGG.—Our magnificent geranium novelty. Flowers very large, perfect form. Ground color white, with rosy dots on lower petals. Foliage is slightly zoned. Grows finely. Each 20c.

BON TON.—One of the new scarlet sorts of special merit. Strong grower and very free flowering. Has beautiful foliage with light shading. Each 20c.

BARIOLEGE.—Dwarf, vigorous growing and free flowering variety. A beautiful composite flower. Color is rose, lower petals blotched crimson, the upper are blotched white. Each 20c.

BLACK PRINCE.—A very dark, rich, velvety crimson. The nearest black known in single geraniums. Each 10c.

CARMEN SYLVA.—Grandest single pure white geranium in existence. It is of vigorous and healthy growth; blooms profusely, plant being loaded with immense trusses of bloom; do not turn pink even in sunny weather. Each 15c.



AUREOLE

ELECTRIC GEM.—A fine variety, producing very large flowers on strong trusses. Color brilliant scarlet. Each 10c.

GEN. LEONARD WOOD.—One of the best of the single geraniums. Plant strong and vigorous. Flower bright carmine crimson, with white center. The general effect is very beautiful. Each 15c.

GRANVILLE.—Color is a beautiful rose pink; white blotches on upper petals. Strong grower and compact in habit. A good bedding sort. Each 10c.

MRS. E. G. HILL.—A most distinct and pleasing shade of salmon with light shading at the center. Each 10c; doz. \$1.00.

CHAMELEON.—Is what might be called a "sport," as it is quite erratic in its growth. Some flowers are red, some white, some pinkish salmon, and some are clearly striped with the three colors. Frequently one plant will have on it flowers of all three colors at the same time; others will bloom for months, showing only one of these colors, then changing to some other hue. It bears many trusses of large single flowers. Each 20c; doz. \$1.75.

EUGENE SUE.—Magnificent, well formed flowers, produced in enormous trusses in the greatest profusion. The color is a brilliant shade of russet orange; very effective when massed in beds; foliage large and of fine texture; habit splendid, luxuriant, branching, semi-double and robust. Certainly one of the best. Each 15c.



SOUVENIR DE MIRANDE

SOUVENIR DE MIRANDE.—Handsome and most satisfactory. Nicely formed, round florets; upper petals cream white, with distinct salmon rose border; lower petals salmon rose streaked with pure white. Free flowering; splendid blooms. Each 10c.

MAXIME KOVALEVSKI.—A brilliant orange. A fine growing plant and probably the best of the single varieties for pot culture. The flowers are round, of splendid form. A novelty of great beauty. Each 20c.

NUIT POITEVIN.—A remarkably strong and vigorous variety. The flowers are rosy purple, shaded rich scarlet in upper petals. Very lovely. Each 15c.

PHOEBE.—A dwarf, compact growing sort, extremely free flowering, seemingly every joint producing a spike of bloom. Color deep rose. Splendid. Each 15c.

PAMELA.—An English round-flowered sort of unusual strength and vigor. Handsome and distinct. Flowers have pure white center, shading to a distinct margin of crimson rose. Very large trusses of large round flowers are produced freely. Each 15c.

RICHMOND BEAUTY.—A magnificent new single variety. Offered in the Good Venture Collection, on colored plate, page 107. Each 15c.

TELEGRAPH.—A splendid flower of apricot pink shaded cerise pink, with white eye. The general effect of color combination is very pleasing. Plant is very desirable in vigor and habit of growth. Each 15c.

TIFFIN.—A glowing single scarlet of especial value as a bedder. Attractive, showy, flowers profusely. Each 10c.

YVETTE PROST.—Fine large flowers and strong trusses. Color violet rose shading to white center. A very striking and beautiful blossom. Each 15c.

HOUSEHOLD GERANIUM COLLECTION

A selected list of choice single geraniums. One plant each of *Jaquerie*, scarlet; *Mrs. E. G. Hill*, salmon; *Maxime Kovalevski*, brilliant orange; *Carmen Sylva*, pure white; *Alice of Vincennes*, pink; *Granville*, rose; a half dozen different shades, only 60c.

FAVORITE GERANIUM COLLECTION

La Favorite, *Beauty Poitevin*, *Double Dryden*, *S. A. Nutt*, *Mrs. Lawrence*, *Bruant*, *Jean Viaud*.

One each of the above, giving a range of colors in the standard sorts which are universal favorites, for 60c, postpaid. This collection from 2½-inch pots, large plants, by express, not prepaid, for only 80c.



GRANVILLE



PHOEBE

DOUBLE GERANIUMS

APPLE BLOSSOM.—Shining salmon, tinted white; free flowering; dwarf, compact habit. Extra fine as pot plant. Each 20c.

BEAUTY POITEVIN.—A great favorite and conceded of the best semi-double bedding sorts. Color salmon pink, shading to clear salmon in center. Each 15c.

BERTHA DE PRESLEY.—A beautiful light pink. Stands sun without fading. Will be sure to give satisfaction, either for beds or in pots. Each 15c.

BLUE BEAUTY.—A new color; a beautiful violet or purplish crimson with a blue sheen over the surface. Three upper petals have a spot of vermillion near the base. Each 15c.

BRIGHT SPOT.—A bright, dazzling scarlet. One of our special four offered on page 107. Each 20c, doz. \$1.75.

BRUANTI.—One of the finest bedding sorts. As will be seen by illustration the leaves are beautifully zoned and therefore showy at all times. Flowers are double and semi-double and are of a bright vermillion red; trusses are large, often eight inches in diameter. Each 10c; doz. \$1.00; 100 for \$5.00.

DAGATA.—One of the finest new pink varieties of Bruanti. The plants are dwarf, robust growers and compact. Magnificent large flowers of mauve pink on immense trusses. Each 15c.

DOUBLE NEW LIFE.—The outer petals are a brilliant red. In the center of these appears another semi-double floret, pure white in color, effecting a very charming contrast, difficult to realize unless seen, and having the appearance of being produced artificially. This was sent out in England at a fabulous price. Each 15c; doz. \$1.50.

DAYBREAK.—One of the finest of pink geraniums offered in our Good Venture Collection, on page 107. Each 15c; doz. \$1.50.

DR. PHILIPPE TISSIE.—Fine white center, outer edge of petals light crimson. Striking in its beauty and admirable in growth and habit. Each 20c.

FIRE DRAGON.—A cactus flowered scarlet novelty. Has peculiar and striking flowers of salmon center shading to white. Each 20c; doz. \$2.00.

GLORY DE FRANCE.—A large round flowered double geranium of waxy appearance. Petals white, veined with carmine rose. Each 15c.



BRUANTI

IMPROVED LA FAVORITE.—What S. A. Nutt is among dark crimsons, La Favorite is among whites; without doubt the best double white geranium ever offered. It is a strong grower and a profuse bloomer. Each 10c; doz. 85c. By express, not prepaid, 50 for \$2.75; 100 for \$5.00.

MT. SHASTA.—Pure white flowers, very large, semi-double; a profuse and constant bloomer. More fully described on page 107. Ea. 15c.

MARQUISE DE CASTELLANE.—Flowers are very large, perfect in form and borne in large trusses. The color varies from a brilliant cerise to a bright cherry red, with brilliant carmine shadings. Each 15 cents.

MONSIEUR EMIL DAVID.—Is semi-double; large flowered; violet rose, upper petals of feathered white at base; flowers abundantly produced, luxuriant. Foliage is slightly zoned. Each 15c.

OLD GLORY.—This grand novelty, introduced by us, is clear, bright rosy pink in color, with upper petals spotted pure white; truss of extra large size. Each 20c; doz. \$2.00.

PETER HENDERSON.—A Bruanti geranium; large, semi-double red flowers on large trusses. A splendid bedding sort. Each 15c.

JEAN VIAUD.—Very large, semi-double blooms borne in large trusses well above the foliage; individual florets large, color bright rosy pink with distinct white blotch in center. Each 15c.

JULES VASSEUR.—Semi-double. Is vermillion scarlet with distinct white eye. A new variety of promise. One of the best of this type. Each 15c.

LEON BAUDRIER.—A semi-double flower of Cyclops type, showing rose carmine shading with white eyes.

Foliage thick and leathery. A strong,

robust grower. Each 15c.



DOUBLE NEW LIFE



LA FAVORITE

PRES. BALLIETT.—A strong, robust, short-jointed grower, with large, dark-zoned foliage. Flowers bright scarlet with a soft, velvety finish. Large, bold flowers held well above the foliage. Each 15c.

S. A. NUTT.—The best crimson bedding variety. This, the finest of dark crimson geraniums, has now taken the lead as a bedding variety, being used in the largest parks and public grounds of the country in preference to all others. Its dense, compact growth, profuse blooming qualities and sun-proof constitution combined give it the prominence as a bedder it has attained. As a pot plant it cannot be excelled. We sell thousands for borders and large beds. Each 10c; doz. 85c. By express, not prepaid, 50 for \$2.75; 100 for \$5.00. Large plants from four-inch pots, by express, per dozen \$1.50.

TREGO.—Semi-double, and of intense, brilliant, almost dazzling scarlet color. Each 15c; doz. \$1.50.

TRICOLOR GERANIUM BED

One dozen each of three shades of color, consisting of standard sorts that will stand the sun and produce continuous bloom all summer. We will send one dozen double white, one dozen double pink and one dozen double red, we to chose the varieties, but we will give you only such as will prove satisfactory. Planted closely, the pink in the front row, white next, and the red forming the background, you will have a gorgeous bed of flowers.

36 plants as above from 2½-inch pots, \$2.25, postpaid, or \$1.80 by express, not prepaid. The same in larger plants from 4-inch pots, by express, not prepaid, \$4.00.



GLORY DE FRANCE

NO BEDDING PLANTS IN THE ENTIRE LIST WILL FURNISH SUCH BRIGHT FLOWERS AS GERANIUMS

FANCY LEAVED GERANIUMS

GRACE PAGE.—This we consider one of the finest geranium novelties and we permitted our florist to name it in honor of the daughter of the manager of this company. It is identical with the old standard dark crimson S. A. Nutt geranium except in foliage, which is beautifully variegated. Nothing in geraniums can surpass the beauty of this variety with its large trusses of double crimson flowers against their variegated background. It is a sport from the S. A. Nutt, of vigorous growth and an exceedingly profuse bloomer. The leaves are of dark green, and each bears a border of pure snowy white. We are safe in saying that there is no variegated sort on the market which blooms so freely. Well adapted for pot culture. Don't fail to try it. Each 20c, per dozen \$2.00.

MASTERPIECE.—Foliage golden yellow, with a broad, very dark zone, variegated with rich blotches of color. Each 15c.

MRS. POLLOCK.—Magnificent. Green leaf disc, overlaid by beautiful bronze red, belted with bright crimson, outwardly margined with golden yellow. Each 15c.

MARSHALL McMAHON.—Golden yellow, marked with a deep chocolate zone. A splendid bedding variety. Each 15c.

WM. LANGGUTH.—This new silver leaved geranium is a beautiful variety. The plant is short, stocky growth, and the beautiful deep green leaves are bordered with a broad, pure snow white band, so that it is handsome even when not in bloom. It is, however, free flowering for a fancy foliage variety, and the flowers are double. Clusters are extra large and a bright red color, showing magnificently against the white foliage. Each 15c.

MAD. SALLEROI.—A very compact variety of silver leaf geranium. Fine for massing or bordering; thrifty; leaves green, edged with white. Has a peculiar manner of growth which renders it of special value for edgings or ribbon work. Each 10c, dozen 85c.

CRYSTAL PALACE GEM.—Yellow, with green disc; fine bedder. Each 10c.

MOUNTAIN OF SNOW.—Finest of this class for ribbon lines or massing; center of leaf bright green, margin broadly marked silver white; single scarlet flowers. Each 10c.

DISTINCTION.—Round green leaves with clear black circle. Each 10c.

HAPPY THOUGHT.—A tricolored geranium with dark green foliage; creamy white center with dark band about the light zone; flowers bright scarlet. Each 10c.

GOLDEN CIRCLE.—Green foliage; golden yellow edging; flower scarlet. Each 10c.

MRS. PARKER.—A grand new silver leaved variety with double pink flowers. A unique novelty. Each 20c.

HAPPY THOUGHT COLLECTION.—Happy Thought, Golden Circle, Mad. Salleroi, Crystal Palace Gem, Mountain of Snow, Marshall McMahon. Six of the finest fancy leaved sorts in splendid contrast for only 50c, postpaid.

FRAGRANT COLLECTION.—Nutmeg, Rose, Balm, Peppermint, Lemon, Skeleton. A half dozen of the sweetest of the scented varieties for only 50c, postpaid.

IVY LEAF COLLECTION.—Caesar Franck, Jenn DeArc, Chas. Turner, Eden Marchi. One each of the four choicest ivy leaf varieties for only 45c, postpaid.



WM. LANGGUTH GERANIUM

SCENTED GERANIUMS

LADY PLYMOUTH.—A beautiful variegated variety of the Rose Geranium. Propagates slowly and the demand usually exceeds the supply. Each 20c.

NUTMEG.—Small leaves with nutmeg perfume.

OAK LEAVED.—Beautiful foliage resembling oak leaves, black center with green border.

ROSE SCENTED.—The broad leaf. This is the most popular of scented geraniums.

SKELETON LEAVED.—Leaves very finely cut, rose fragrance.

BALM.—Delicious balm fragrance.

LEMON.—A nice little plant of bushy growth with delightful lemon fragrance to the leaves.

MRS. TAYLOR.—A scarlet flowered rose geranium. The blooms resemble the pelargonium, but are smaller and of bright scarlet color. Blooms constantly.

PEPPERMINT.—A rare variety with thick "hairy" leaves and refreshing peppermint fragrance. It is one of the most popular of the scented geraniums. Each 15c.

APPLE.—A standard scented variety and a favorite for its strong apple fragrance. Each 15c.

Any of the above sweet scented varieties 10 cents each \$1.00 per dozen, except where noted.

IVY LEAVED GERANIUMS

CAESAR FRANCK.—Double as a Crimson Rambler rose. Specialists claim this to be the best Ivy Geranium. Color soft, rich crimson scarlet, shaded rose at base of petals. Foliage clean, waxy green. Vigorous, quick growing and strong. Finest for baskets, vases, etc. Each 15c.

MRS. HAWLEY.—Flowers semi-double, bright pink with dark blotch on upper petal. An excellent growing variety. Each 15c.

ETINCELENT.—Beautiful scarlet; extra large flowers. Very double and will be satisfactory. Each 15c.

EDEN MARCHI.—Handsome of the ivy leaved sorts. Has enormous sized flowers; color beautiful salmon rose, slightly shaded violet. It is an improvement on the Charles Turner. It is a strong, free grower, producing flowers at almost every joint which are full double and perfect in form. Each 15c.

CHARLES TURNER.—Very double, and is without doubt one of the handsomest ivy geraniums ever introduced; florets two and a half inches across. The color is a deep, bright pink, approaching scarlet in color. Each 15c.

JEAN D'ARC.—Very large and finest white in existence. Perfectly double, white as snow; flowers literally cover the plant when in full bloom. Each 10c.

P. CROZY.—A hybrid between the Zonales and Ivies. Color soft, bright scarlet with veinings of maroon. Each 10c.

CORDEN'S GLORY.—Fine, bright scarlet; large, bold, full flowers; constant bloomers; one of the very best. Each 10c.

ALLIANCE.—A beautiful novelty. A hybrid between an ivy and a zonal geranium. The flowers are large, semi-double and produce fine trusses. Exquisite shade of very pale pink turning to pink in some. Upper petals are feathered and blotched with rich crimson maroon. Each 15c.



IVY GERANIUM—EDEN MARCHI. (One-half natural size.)

MANY OF THE MOST POPULAR VARIETIES OF GERANIUMS WILL BE FOUND ON THIS PAGE

GRAMINEUS

(*Acorus Variegata*.)—A beautiful low-growing grass, handsomely variegated colors. Fine for edging and masses. Nothing better for baskets or vases. Each 15c.

HELIOTROPE

These are universal favorites on account of their delightful fragrance. They bloom equally well as bedding plants in summer, or as pot plants in the house during the winter.

BUISSON FLEURI.—Semi-dwarf. Very large trusses of large flowers. Color violet; star-shaped eye. Each 10c.

PRINCE CHARMANT.—Beautiful foliage and large trusses of mauve blue flowers. A novelty of merit. Each 15c.

LORD ROBERTS.—Very large trusses of blue flowers. Each 10c.

CZAR.—A new giant flowering, very dark colored sort, almost black. Each 15c.

SNOW WREATH.—Superb large cluster of deliciously fragrant flowers, nearly white. Each 15c.

HELIOTROPE COLLECTION

The fragrance of these lovely blossoms will perfume the whole house.

One each of the five varieties named above for 50c.

HIBISCUS

GRANDIFLORA.—A large, shrub-like, woody plant bearing immense single red flowers. Each 15c.

PEACHBLOW.—One of the finest free flowering plants for either pot culture or the open ground. Flowers very large, double and of a charming rich, clear pink, with deep crimson center. Does not always appear double when first in bloom, but as the plant ages it takes on the double form. Each 15c.



PEACHBLOW HIBISCUS

RECOMMENDATIONS

I received the plants by mail today. They are very fine. I thank you so very much for the interest you have taken in all of my orders. Mrs. W. W. Luce Midway, Wyo.

The fern you sent me is very fine for 25c. The plants were packed so nice I had no trouble with them. I never lose a plant when I get them. Mrs. Frank Hinds, Salem, Ind.

I received the plants all right and thank you very much for the extras. They are growing nicely. Mrs. Isaac Grayem, Holyoke, Colorado.

IRISH SHAMROCK

The true Irish Shamrock, the poetic plant of Irish history. Resembles clover in shape of leaf. Does well when grown either in the open ground or in pots, and its neat foliage is quite attractive. Each 10c.



HYDRANGEA PANICULATA GRANDIFLORA

ICE PLANT

Interesting from being covered with ice-like crystals. Flowers are very pretty. Each 10c.

IMPATIENS

SULTANA.—Beautiful plant producing waxy, bright flowers of rosy scarlet almost continuously, winter and summer; suitable for either pot or garden culture. Of compact growth; almost a perpetual bloomer. Each 10c.

HOLSTIL.—Strong and robust growing variety with brilliant vermilion colored blossoms. One of the best. Each 15c.

PINK BEAUTY.—Well named, the color being a most beautiful shade of clear pink. Each 15c.

WHITE LADY.—A fine pure white to complete the list and add the necessary shade in desirable contrast. Each 15c.

IMPATIENS COLLECTION.—One plant of each of the above four fine varieties for only 40c, postpaid.

JERUSALEM CHERRY

An old-fashioned plant grown for its showy, berry-like fruits which remain on the plant for a long time. Used generally in window gardening but will grow quite large if given room. Each 15c.



ICE PLANT



PRINCE CHARMANT HELIOTROPE

HYDRANGEA

OTAKSA MONSTROSA.—A Japanese variety used extensively for Easter decorations. Produce enormous trusses of intense pink flowers. Make excellent specimen plants for the porch or lawn. Blooms the entire season. Each 15c.

THOMAS HOGG.—Its immense trusses of flowers are at first slightly tinged with green, changing to the purest white. Each 15c.

ARBORESCENS.—The new snowball hydrangea. See description with hardy shrubs on page 122. Promises to surpass the *Paniculata* in popularity as it becomes better known. Each 15c. Large 40c.

PANICULATA GRANDIFLORA.—See description on page 122. The most popular of all shrubs for permanent planting. This variety and the *Arborescens* are largely used for hedges, mass planting and for specimen plants on lawns. They are easily trained to a desired form. Each 10. Large 30c.



IMPATIENS SULTANA



NIGHT BLOOMING JASMINE

LOBELIA

SINGLE BLUE.—These are handsome trailing plants and are profuse bloomers; elegant for baskets, vases and borders. Ea. 10c; doz. 75c.

CATHARINE MILLARD.—A most beautiful variety of Lobelia because of the double form of the flower and its freedom of bloom. Blue flowers are comparatively few, but splendid color effect will be secured if this Lobelia is used as the color is bright and strong. Each 15c; doz. \$1.25.

I have received the last items on my order for seeds and plants, all in excellent condition and healthy in appearance. I thank you for promptness and liberality in sending the extra plants. Frances W. Kelly, New Haven, Conn. client.

LEMON VERBENA

A universal favorite, invaluable for its fragrant leaves. They will retain their fragrance for years when dried. Very popular with the ladies for storing with handkerchiefs or other apparel to which it imparts in some measure its delicate fragrance. A splendid plant for hedges and as a plant for the garden or for pots it is equally valuable, its fine sprays of foliage and delicious fragrance making it desirable for bouquets, etc. In good rich soil each plant will cover a space of three to four feet in diameter. Each 10c; doz. \$1.00.

**JASMINE**

MAID OF ORLEANS.—A beautiful plant of easy culture, fine grower, good bloomer, very fragrant and of elegant waxy white appearance. Each 15c.

NIGHT BLOOMING.—World famous variety, producing greenish white, fragrant flowers incessantly. Each 15c.

CAPE JASMINE.—(Gardenia Florida.)—A pretty, low growing evergreen shrub. Thick, glossy green leaves, waxy white double flowers of delicious sweetness; valued for winter flowering in house or conservatory. Each 20c.

GRANDIFLORUM.—An old favorite variety and most satisfactory. Valuable for winter blooming. Flowers white, star-shape. Fragrant. Each 15c.

REVOLUTUM.—A climbing variety with deep yellow single flowers and glossy foliage. A beautiful plant and readily grown. Each 15c.

One each of the five Jasmynes named above, only 50c.

LANTANA

We consider this one of the most satisfactory plants grown. It is the flower for everybody, both for outdoor bedding and blooming all winter in the house. It has a flower somewhat resembling the Verbena, borne on a woody, bush-shaped plant. The flowers embrace all shades of orange, sulphur, lilac, red, pink, white, etc., changing from one distinct color to another as they increase in age and development.

JAVOI.—The best, largest and freest blooming white variety. Everyone will be pleased with it. Each 15c.

PERFECTION.—The only Lantana having variegated foliage. Is unusually handsome. Outside rows of florets are pink with rose center; inside florets very light sulphur yellow; orange center. Blooms freely. Each 10c; doz. \$1.00.

GOLD CUP.—A dwarf compact grower, with very pretty lemon yellow flowers, having golden yellow center. Recommended for its fine form and masses of bloom. Each 10c.

WEeping.—A beautiful trailing variety, very desirable for planting in hanging baskets, vases, pots or open ground. Bears an immense profusion of lovely clear pink flowers from early summer until late in the fall. Everyone is delighted with it. Each 15c.

RADIATION.—Semi-dwarf. Color brilliant red with orange yellow center. Distinct and beautiful blending of color. Each 15c.

A. CLAVEAN.—One of the most beautiful. Light Enchantress pink color. Vigorous and sturdy in growth. Each 15c.

VERSICOLOR.—When first open flower is cream yellow with red center. Cream gradually changes to pink, but flower is fine at all times. Each 10c.

LEO DEX.—A fine grower. Has large round leaves and a fine flower of purple red. A most desirable variety. Each 10c.

FLEUR D'OR.—A solid colored flower of orange shade. One of the oldest but still a standard sort. Each 10c.

RADIANT LANTANA COLLECTION

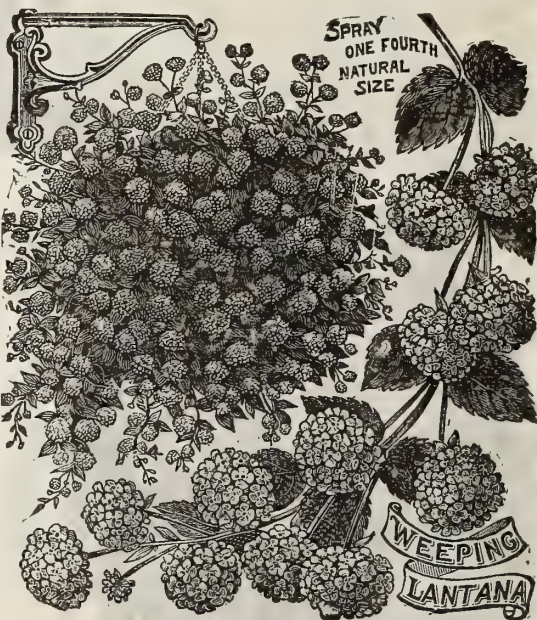
This is a collection which will please any lover of bright flowers. The perfect blossoms in fine variegation are certainly beautiful.

Radiation, Javoi, A. Clavean, Perfection and Weeping Lantanas.

One each of five fine shades of color for only 50c, postpaid.

I am much pleased with the plants you sent. They arrived in excellent condition and if they do not live it will be my own fault. Rose Dinsmore which I got from you is blooming beautifully. Yours truly, Mrs. Alick Booth, Austin, Minn., Canada.

Plants received in fine order. I thank you for your kindness and care in sending me such choice plants. They look so fresh, not even withered. I planted them and they don't look like they had been moved. Mrs. Sarah Mackimson, Topeka, Kansas.

**MOSCHOSMA RIPARIUM**

We consider it one of the very best winter-flowering plants ever introduced. It is as easily grown as a Coleus or Chrysanthemum, leaves are very fragrant throughout the year and it begins blooming in December and continues loaded with bloom until late in the month of March. Each branch ends with a dense, feathery plume of small white flowers. Each 15c; doz. \$1.50.

OTHONNA

This is commonly known as the pickle plant. It is an old, well known trailing plant and is deservedly popular because of the oddity which it exhibits in foliage and its manner of growth. A very pretty plant for basket culture. Each 10c.

OXALIS

GOLDEN STAR.—(Origiesi.)—A shrubby plant about 12 inches in height, branching freely and bearing clusters of golden, star-shaped flowers. Each 15c.

BOWIET.—An elegant species: is from the Cape of Good Hope. Very large, deep pink flowers. Each 10c.

LASIANDRA and DIEPPI. sold as dry bulbs, and used for massing or borders, are offered among summer flowering bulbs, page 89.



LOBELIA



AMIEL LANTANA

**OLEANDER**

These old-fashioned shrubs are becoming popular again. No plant makes more handsome specimens in tubs for verandas or yard. Flowers are usually double when mature.

ROSEA.—Large pink flowers, borne profusely. A popular sort. Each 25c.

LILLIAN HENDERSON.—Flower pure white, fine sturdy plant. Each 25c.

LUTEA.—The comparatively rare yellow-flowered variety. Each 25c.

ONE PLANT EACH OF THE THREE COLORS, 60 CENTS

MARGUERITE DAISY
WHITE.—A French improvement on the old White Marguerite which has for years been so popular. Is much larger and will produce ten times as many flowers. All flower lovers should try a few of these. Each 10c; doz. \$1.00.

BLUE.—(Agatha.)—A strikingly beautiful flowering plant, producing abundance of clear sky-blue flowers. Plants are fairly loaded with flowers, which are very desirable for cutting. Each 10c.

MRS. F. SANDER.—A superb new variety of double white marguerite, so lovely as to become a firm favorite wherever known. Owing to its continuous free blooming habit, beautiful lasting blooms on long stems, it is peculiarly desirable for beds or for use as cut flowers. Each 20c.

YELLOW.—Similar to the above, but of a very pretty canary yellow color. It blooms freely and continuously. Each 10c.

QUEEN ALEXANDRA.—A great improvement on the White Marguerite, having larger flowers, which are produced in greater abundance, many flowers coming perfectly double. Each 15c; dozen. \$1.25.

**PONDEROSA LEMON**

Nothing has ever caused half the commotion that this wonderful Lemon has. It is a true ever-bearing variety. On a plant six feet high no less than eighty-nine of the ponderosa lemons were growing at one time. It was a beautiful sight to see. The tree was blooming and at the same time had fruit in all stages of development, from the size of a pea to the ripe fruit, showing it to be a true ever-bearer. Blossoms waxy white and as fragrant as orange blossoms. Fruit has been taken from the tree weighing over four pounds. The lemons have a very thin rind for such large fruit. It is the juiciest of all lemons, makes delicious lemonade, and for culinary purposes cannot be excelled. It is not uncommon to make twelve pies from one lemon. It fruits when quite small and makes a lovely house plant. It will fruit freely the second year. Strong plants each 15c, postpaid. The large two-year-old plants 50c and 75c each, by express, not prepaid.

My Lemon Tree that I got of you had one lemon on it that measured 13 inches one way and 11 inches the other. It was a picture, everyone prizing it. —Mrs Charles Ebel, Madison, Minn.

PONDEROSA LEMON

SURINAM CHERRY

A very ornamental plant at all times, as both flowers and fruits are attractive in color shades. Fruits are cherry red color and are useful and desirable for culinary purposes. Growth of plant is shrub, like orange and lemon listed on this page, and readily grown in pots. Each 20c.

BANANA PALM

(Musa Ensete.)—Usually listed among palms and is generally known as such. It is one of the grandest and most picturesque of the banana family. Has a majestic tropical effect. Well grown specimens frequently reach 8 to 10 feet high and the leaves will have a spread of nearly the same distance. The leaves are very long and broad, of a beautiful green. An occasional application of liquid manure, and frequent watering are advisable. One at our greenhouse produced fruit this last season so it is seen they are not difficult to grow. Ea. 25c.

STRAWBERRY GUAVA

A useful and ornamental pot plant; wonderfully productive and will prove equally popular with the Lemon and Orange listed above. Has dark, shining green foliage, with fruits of striking claret shade, about the size of a hulled walnut. Fruit is used for dessert and makes a most attractive jelly. It will have buds, blossom and fruit in various stages of development on the plant at one time. Each 20c.

TROPICAL FRUIT COLLECTION

Everyone is interested in the manner of growth of the tropical plants and we offer above some of these which are suited for house culture, believing they will be popular.

Ponderosa Lemon, Otaheite Orange, Banana Palm, Strawberry Guava and Surinam Cherry.

One strong, thrifty plant of each of the above for only 75c, postpaid.



BANANA PALM



STRAWBERRY GUAVA



OTAHEITE ORANGE

OTAHEITE ORANGE

An extra fine pot plant, with glossy green leaves, the true fragrant orange bloom and abundant little bright oranges that will hang on the little bush like balls of gold for six months after they are ripe. With good culture they are never out of fruit from one year's end to another and at least two-thirds of the time are in flower also. In beauty, grace and fragrance there is nothing like its delicate, leafy sprays of bloom. Each 15c. Large size 50c each by express, not prepaid.

ALL THE PLANTS IN THE TROPICAL FRUIT COLLECTION CAN BE GROWN IN YOUR OWN HOME

PALMS

The most elegant and highly decorative of all plants and the low prices at which they are now offered place them within the reach of all. The following are the most desirable for ordinary indoor culture:

LATANIA BORBONICA, or Fan Palm. — One of the most popular varieties grown, prized especially for its beautiful large fan-shaped leaves of deep glossy green. The character leaves appear the second year. Each 25c.

KENTIA BALMOREANA. — This is considered one of the hardiest and best palms in cultivation. A rapid grower. Each 25c.

ARECA LUTESCENS. — A truly graceful and beautiful palm. Strong, upright grower with long, finely cut leaves. Easy to grow and very satisfactory. Each 20c.

PHOENIX CANARIENSIS. — A popular sort and will be found a desirable member of the palm collection. The leaves are feather-like. Each 20c.

KENTIA FOSTERIANA. — A fine variety of the Kentia class. Vigorous and will prosper with ordinary care. Each 20c.

PLUMBAGO

CAPENSIS. — There is no plant in our greenhouse that has caused more exclamations of delight than these beautiful heavenly blue Plumbagos. They are most excellent pot plants, flowering freely at all times of the year. Flowers are borne in large clusters and are exceedingly beautiful in color. They are of very easy culture, growing in any situation as freely as geraniums. Each 10c.

CAPENSIS ALBA. — The white variety of the above, with which it is identical except in color. Each 10c.

PANSY GERANIUM

This beautiful flower belongs to the Pelargonium class. The flowers are of medium size and have white throat. Each petal is shaded toward the center with a rich lavender pink and a dark maroon blotch in the center. Very handsome; will attract attention. This new and beautiful geranium is of easiest growth, dwarf in habit and literally covered with flowers, and as it requires little or no attention it is invaluable as a window plant. Colors and markings are most extraordinary. Each 25c.

CHARMING PETUNIA COLLECTION

...Five of the Best...

POSTPAID FOR 50 CENTS

See Colored Plate, page 108.



FANTASIA
DOUBLE PETUNIA

PALM COLLECTION

One each of the first five stately palms for 85c, postpaid. We can furnish fine large specimen plants of any of these varieties, by express, not prepaid, at \$1, \$2 or \$3 each, according to size desired.

CYCAS REVOLUTA. — (Sago Palm.) — Magnificent plants of noble and majestic habit, and most impressive. They are probably the most valuable decorative plants grown; their heavy, glossy deep green fronds resist alike the gas, dust or cold. Strong young plants 50c each, postpaid. Large specimen plants \$1.00, \$2.50, \$5.00, \$10.00 and \$15.00 each, according to size, by express, at purchaser's expense.



KENTIA BALMOREANA



KENTIA FOSTERIANA



PANSY GERANIUM



LATANIA BORBONICA PALM

PELARGONIUMS

Commonly known as Lady Washington Geraniums, and the improved large flowering sorts are undoubtedly the most beautiful of all geraniums. Is highly prized everywhere for house culture and for winter blooming.

MRS. ROBERT SANDIFORD. — This is a grand double white variety; the flowers are extra large, perfectly double and beautifully laced and ruffled. The color is glistening snow white, exceedingly beautiful. Each 25c.

MAD. VIBERT. — A beautiful large flower with black-maroon blotches, bordering fiery red and the entire flower being edged with rose. A very vigorous grower and free bloomer. Each 25c.

DOROTHY. — Beautifully fringed variety. Flowers very large; rosy salmon with dark maroon blotch on upper petals, richly shaded with plum color around the throat. Its heavily fringed and ruffled edges give the flower a light and attractive appearance. Each 25c.

MABEL. — A beautiful large, velvety pink with black blotches in center of petal. Fine grower. Each 25c.

MME. THIEBAUD. — White, richly blotched with rose. The upper petals marked crimson with large white center. Petals are heavily ruffled, giving the appearance of a double flower. Each 25c.

LADY WASHINGTON COLLECTION

One each of the above fine Pelargoniums, postpaid, for \$1.00.

DOUBLE PETUNIAS

The Double Petunias are extremely popular because of the striking contrasts in the colors of each flower and because they are always in bloom. They are difficult to grow from seed as they produce only a percentage of double blossoms, while if plants are purchased they will invariably prove satisfactory. Equally desirable for bedding or indoor blooming.

ARTUS. — Extra large flowers of bright red, almost solid color. Each 10c.

ADMIRATION. — One of the brightest and best, color reddish violet, mottled and tipped with white. Each 15c.

CLEO. — A splendid shade of purple. Flowers extra size, of nearly solid color and extremely striking appearance. Each 15c.

DEFENDER. — A beautiful light variegation on still lighter ground color. A beautiful sort in contrast with the darker shades. Each 10c.

EUREKA. — This is a decided novelty. The ground work of the flower is a deep purple, which is beautifully marked and penciled with cream, white and pink, the whole forming a most gorgeous color combination. Each 15c.

FAIRY. — A splendid bright pink, more fully described on next page, and shown in colors on page 108. Each 15c.

VIVIAN. — A beautiful, bright, glowing red, bordered with white, with fringe. One of the best. Each 15c.

EVA. — This is not a double sort, but it is so finely fringed that it appears much like the double sorts. It is a lovely pink color, with flower of splendid size and form. Each 15c.

FANTASIA. — Handsome double white and purple petunia. Striking variegation. Each 15c.

PINK BEAUTY. — A beautifully fringed pink variety. One of the handsomest sorts in existence. Fully described on opposite page. Each 15c.

SNOW QUEEN. — An extra choice double white petunia which for profuse flowering qualities is unsurpassed and for keeping has no equal. See opposite page. Each 15c.

VICTORIA. — A beautiful double flower. Ground color pure white with touch of delicate lilac rose. Each 10c.

WE OFFER YOU A SPECIAL BARGAIN IN PALMS ON THIS PAGE. DON'T OVERLOOK IT

GOOD VENTURE GERANIUM COLLECTION

SPECIAL OFFER TO FLOWER LOVERS WORTHY OF FIRST PLACE IN OUR FLORAL BARGAINS

Four Fine Thrifty Plants Postpaid to Your Home for 50 Cents

YOU CAN HAVE SATISFACTION AND SUCCESS WITH THIS COLLECTION

The geranium blooms so freely and continuously, is so free from disease and insect troubles, is so thrifty under good or bad conditions, that it is the popular flower among the masses of the people, and in this collection we offer you four of the newer and superior sorts which will delight with beautiful colors, bright markings and sturdy growth. The price is so low that all can afford to try this splendid bargain.

Daybreak. A glorious pink, bright and beautiful. There are numerous pink geraniums, but we offer you the Daybreak in this collection because our experience shows it to be the most profuse and persistent bloomer among the pink sorts. The blossoms are double, florets large and truss heavy, strong and borne well above the foliage, so that the flower is always in view in any situation. The plant is of vigorous growth and of good form, making it well adapted to outdoor bedding. Pink is a popular shade in geraniums, and is a useful color either for solid or contrast planting, and Daybreak is a clear splendid pink. Each 15c. doz. \$1.50.

Mt. Shasta. This grand new French variety, sometimes called Fleuve Blanc, possesses all of the essential points that constitute an ideal geranium, enabling it to withstand our trying summers, being one of the best of the Bruant or sun-proof type, with very large, handsome, rich green foliage, zoned with dark green; of dwarf, vigorous and compact growth. Produces enormous trusses of pure white flowers on long stems held well above the foliage. The florets are very large, and just semi-double enough to give them a fine finish. Each 15c. dozen \$1.50.

Richmond Beauty. This is a most magnificent single flowered variety. Color is brilliant scarlet crimson with white eye in the center, varying somewhat in size in different flowers, and shading to violet before reaching the scarlet portion of the petals, thus adding to the beauty and brilliancy of the flower truss. The plant is a strong vigorous grower; does not suffer from sun scald or blight, is a free bloomer and very desirable for either summer bedding or winter blooming in the house. Each 15c. dozen \$1.50.

Bright Spot. A flaming scarlet of splendid size, double form, vigorous growth and brilliant color. A fine variety for mass bedding because the many glowing trusses of large flowers make a dazzling show so bright as to instantly catch the eye even at a distance. A single plant will add the necessary touch of fiery red so essential in making a harmonious collection for indoor blooming. The habit of growth of this variety is all that can be desired either for summer bedding or house blooming. Each 20c. dozen \$1.75.

GOOD VENTURE COLLECTION OF THE ABOVE FOUR GRAND VARIETIES FOR ONLY 50 CENTS

GOOD VENTURE GERANIUM SEED

A greatly improved strain of geranium seed grown by a specialist for our trade. Plants are easily raised from seed and many desirable new colors and types will frequently be found in a seedling collection. If the seed is started early in the house many of the plants will bloom the first summer in the garden. Seeds do not germinate evenly, some starting to grow at once while others will require many days, perhaps weeks, to get a start. The plants once started grow rapidly and are vigorous. Packet (about 40 seeds) 15 Cents



MT. SHASTA GERANIUM

GERANIUMS BY THE HUNDRED

50 or More at the 100 Rate

The customers can select from varieties named in this special offer in such numbers of each as wanted. If you cannot use 50 or 100 perhaps you can get a neighbor to take a part of the order. Descriptions on pages 100, 101 and 102.

S. A. Nutt, crimson double	Dagata, pink double
LaFavorite, white double	Jaquerie, crimson single
Black Prince, crimson single	Bruanti, scarlet double
Carmen Sylvia, white single	Robertus, pink single
Madam Salleroi, for edging	

Just the right varieties for out door bedding either for single or mixed color effects, and in this offer you have the best possible opportunity to fill your beds at reasonable cost.

From 2 1/2 inch pots, \$5.00 per hundred

From 4 inch pots, \$10.00 per hundred

Customers to pay express charges. We shake off the dirt from the roots before packing to save charges, but we can allow it to remain if customer prefers.

CHARMING PETUNIA COLLECTION

REPRODUCED IN COLORS FROM NATURE ON REVERSE SIDE OF THIS PAGE

Few flowers are more striking in superb coloring, more dainty in their physical form, or more productive of delightful bloom than the double petunias; and few plants indeed are more highly prized by amateur growers than these floral favorites.

Five Charming Types as Illustrated. 50 Cents Postpaid

The plants we offer are grown from cuttings; and will therefore be true to color. They are thrifty and hardy and will be easy to grow either in house or out door beds; and we feel sure they will please our friends with results. Petunias grow and thrive best in a sunny situation, and we advise our friends to give them the richest soil. They are strong feeders and if given plenty of plant food will surprise the grower with strong, rapid growth and flowers of the most brilliant coloring.

Snow Queen. Elegance and purity are the two impressions most strongly conveyed by this lovely flower. It is not surpassed in beauty of form by any flower that blooms, and the dainty fluffiness of the large blossoms never fail to delight the eye of the beholder. It is a free bloomer and you may expect a never ending succession of pure white flowers until the plant is killed. Each 15 cts.

Pink Beauty. Although there are many shades of the pink color in this flower, the general effect is a bright pleasing pink. Color grows lighter in shade from the center to the outer edges of the petals, and while the gradation is very gradual, the distinction is readily noted. This shading in the flower adds greatly to its beauty making a blossom of delightful loveliness. Each 15 cts.

Giant Fringed. While this is not a true double form of petunia, the fringed and waved edges of the petals are spotted at the outer ends with distinct colors, while the center and throat of the flower are striped and veined in a beautiful manner. It is very free flowering and will be a very popular feature of this most popular collection. Each 15 cents.

Fantasia. When we say that this variety is purple and white, with striking variegation it conveys only a faint idea of the glorious contrast of color. It is difficult to present an adequate description in words, but a glance at the picture of Fantasia in colors on the reverse of this page will be sufficient for all readers to absorb the unusual and unique beauty of this spectacular blossom. Plant is easy to grow and very prolific of flowers. Each 15 cents.

Fairy. A splendid flower of mingled red and white. As will be seen by our illustration in colors on the reverse page, this flower is perhaps the finest of the five in this collection. As its name suggests, it has a fairy like grace and beauty which will make it a favored and greatly prized flower by its fortunate possessor. It rounds out the harmony of the color scheme in our petunia collection, and with the others above mentioned offers a wide range of beautiful colors in a type of blooms, which cannot fail of appreciation by discriminating flower lovers. Ea. 15c.

ONE STRONG PLANT EACH OF ABOVE CHARMING PETUNIAS POSTPAID 50 CTS



DAYBREAK
GERANIUM
MOST HANDSOME
DELICATE PINK
FLOWER.

MOUNT SHASTA
GERANIUM
BEST BLOOMING
DOUBLE WHITE
VARIETY.



RICHMOND BEAUTY

BRIGHT SPOT

GOOD VENTURE
GERANIUM SET
BEST NOVELTIES FOR 1913.
ONE PLANT EACH OF THESE
FOUR CHOICE VARIETIES
FOR ONLY **50 CTS.**

**CHARMING
PETUNIAS**

- 1. SNOW QUEEN EACH 15¢
- 2. PINK BEAUTY " 15¢
- 3. GIANT FRINGED " 15¢
- 4. FAIRY " 15¢
- 5. FANTASA " 15¢

THE COLLECTION FOR **50¢**

BOTH COLLECTIONS FOR 85¢



RAINBOW PANSIES

PENNISETUM RUEPELIANUM

(Fountain Grass.)—A beautiful annual grass, growing about 2½ feet high, producing long, graceful, cylindrical, purplish plumes. An excellent ornamental plant and the most appropriate to use as an edging to a bed of Cannas. Young plants ready in May. Each 10c; 75c per dozen. Seed, 10c per packet.

PANDANUS

UTILIS.—A splendid decorative plant somewhat resembling a palm. Unusually attractive as an ornament for the window because of its glossy, dark green, serrated foliage. Makes a fine plant for the lawn in summer when well grown. Each 15c.

Brussels, Belgium, Sept. 23. The seven rose bushes which you sent me last spring came through in good shape and are now growing nicely. Charles J. Murphy.

The plants arrived last week and those received today are just as ordered and reached here in fine condition. Mrs. Alex Robinson, Bencia, Colorado.

I received the package of plants you so kindly sent me. Please accept my sincere thanks for them. They all look nice and fresh and I think they will grow. Yours respectfully, Mrs. H. D. Reinken, Watrous, New Mexico.



BABY PRIMROSE

PRIMROSE

MEXICAN.—A perpetual bloomer. Has blossoms 2 to 3 inches across, of beautiful colors. Each blossom keeps perfect many days before fading, and when it droops others are out to take its place, and this succession of beauty continues. Each 10c.

OBCONICA.—A lovely perpetual blooming primrose. Flowers of rose lilac, shading to white. Each 10c.

CHINESE.—A most popular flower for winter blooming; our cut gives an idea of its wondrous beauty. The flowers are all shades of color; distinct and beautiful markings. Each 15c.

THE BABY.—(Primula Forbesi.)—Forms a dense rosette of fleshy leaves from which spring flowering stems, 12, 15 and even 20 inches tall, supporting three tiers or whorls of dainty flowers of a delicate rosy lilac with eye of pale gold; not more than a half inch in diameter, but produced abundantly. Each 10c.

**CHINESE PRIMROSE
BEDDING PLANTS**

We grow bedding plants in enormous numbers to supply this branch of our trade, and we quote below special prices by the hundred. We will sell 50 or over of one kind at hundred rates. At these prices customers are to pay express charges, but as they go at special rates the cost will still be low for the quantity and quality received.

Your choice of colors, our choice of varieties.

	Per doz.	Per 100
Acalypha	\$.90	\$5.00
Ageratum .....	.75	4.00
Alternanthera .....	.50	3.50
Alyssum .....	.50	3.00
Artemesia (Dusty Miller) .....	.75	4.00
Asters .....	.25	1.25
Begonias (Flowering) .....	.75	4.00
Begonias (Tuberous) .....	.75	5.00
Cannas (Growing Plants)	1.20	8.00
Cannas (Bulbs) .....	.75	5.00
Coleus .....	.60	3.50
Centaurea Gymnocarpa .....	.75	3.50
Feverfew .....	.75	4.00
Geraniums .....	.80	5.00
Heliotrope .....	.80	5.00
Lobelia .....	.75	4.00
Pansies (Separate Colors) .....	.30	2.00
Pansies (Giant Colors) .....	.40	2.50
Pansies (Bedding Mixed) .....	.25	1.50
Pennisetum .....	.75	3.00
Petunia (Double Fringed)	1.00	6.00
Petunia (Single Fringed) .....	.75	4.00
Roses .....	.75	5.00
Salvia	1.00	5.00
Santolina .....	.75	4.00
Stevia Variegata	1.25	5.00
Verbena .....	.75	4.00

PANSIES

Pansy plants are quite a specialty with us and we sell immense numbers of them every year. Our plants are grown from the very best quality of seed and are strong and vigorous and have beautiful large velvety flowers of all shades and colors known in pansies. Extra large, strong plants of **American Giant, International, New Rainbow, Masterpiece** or **Butterfly** mixtures at 50c per dozen, 4 dozen for \$1.50, postpaid. Can also supply following named sorts in separate colors, not less than one dozen of any one kind: **Fire King, Snow Queen, Golden Yellow, King of the Blacks, Azure Blue, Lord Beaconsfield**, at 40c per doz., 4 doz. \$1.25, postpaid. **Choice Bedding Mixed**, doz. 30c, 4 doz. \$1.00, postpaid.

PEPEROMIA

SILVER STRIPED.—A beautiful ornamental pot or basket plant for the home. Grows vigorous and thickly massed. The leaves are wax-like, thick and fleshy, and distinctly variegated white and green. Easily grown and will thrive in any ordinary living rooms. Each 15c.



Peperomia.

RUSSELLIA

ELEGANTISSIMA.—A pretty little plant for producing hundreds of bright scarlet flowers. Fine for hanging baskets or vases. Each 10c.

RUBBER TREE

(Ficus Elastica.)—Highly valued everywhere for their tropical appearance. Leaves very large, thick and leathery and of a beautiful shining green color. It endures the dry air of living rooms remarkably well. Everybody likes it. They are difficult to propagate and will remain high in price. Each 50c, postpaid. Larger size \$1.00 and \$1.50, by express, not prepaid.



RUBBER TREE



SANSEVERIA

SANTOLINA

A very pretty dwarf growing little plant. The foliage is finely cut and of silver gray color, thus making it particularly useful and valuable for edgings and ribbon beds, as it contrasts finely with plants of darker color or larger leaves, like Coleus. Each 10c; per dozen 75c.

SELAGINELLA

A beautiful, low growing, moss-like plant. Fine for ferneries or planting in moist places. Each 10c; doz. \$1.00.

SEDUM

(Stone Crop).—Small, low growing plants, desirable for rockeries or bedding. Several varieties. Each 10c; per dozen 75c.

SOLANUM

WENDLANDII.—A splendid climber and the most showy of all the cultivated solanums. Grows sometimes fifty feet during summer in the warm climates and will grow well anywhere if given good soil. Bears large, light colored flowers in great panicles a foot across and is a most beautiful sight when in full bloom. Each 15c.

AZUREM.—A blue flowered solanum of rapid growth and as free flowering and showy as any of the other varieties. Flowers of deep blue in large panicles. Each 15c.

JASMINOIDES GRANDIFLORUM.—This beautiful plant is of trailing habit but if desired it can be cut back to a bush form. It has star-shaped flowers borne in large panicles frequently a foot across. They are pure white with a violet tinge on back; equally good bloomer in summer and winter and is very effective when planted to cover a low wall or trellis. Each 10c; doz. \$1.00.

The ferns arrived here all O. K. and they are fine, better than I expected.—Mrs. Frank Kasper, Beaver Dam, Wis.

I received my ferns all right. It was snowing, blowing and freezing when they got here in tip top condition.—Mrs. Moser, Marysville, Ohio.

MAMMOTH
VERBENAS**SANSEVERIA**

ZELANICA.—There is scarcely a decorative plant listed that is more striking in appearance, and certainly none other that will stand as much downright neglect. It will grow in a dark, cool room or stand on the mantel in a heated sitting room. Will stand gas or dust and requires but little water yet remains thrifty as ever. Singularly beautiful, as well as easily grown. Erect, rigid, sword-like leaves, which are thick and leathery, dark green color, beautifully striped crosswise with white. Each 15c; large plants 40c.

SALVIA

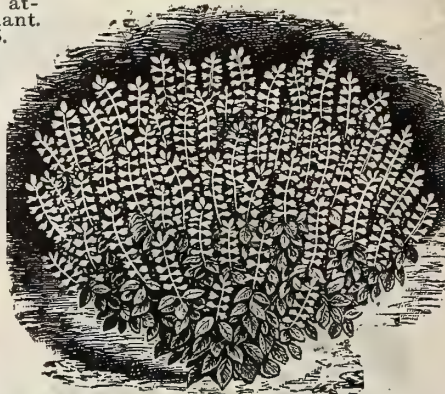
MRS. CHAS. N. PAGE.—One of the finest of all bedding plants, being completely covered during the summer and autumn with long spikes of dazzling scarlet flowers, remaining in bloom until cut down by frost. Each 15c; doz. \$1.50. Large size from four-inch pots, each 20c; doz. \$2.00.

IMPROVED SPLENDENS.—Large, tall and fine, bright crimson flower and dark rich green foliage. Each 10c; doz. \$1.00.

SNOWSTORM.—A white flowered, tall growing variety. A few among a bed of scarlet salvias are unique. Each 10c; doz. \$1.00.

PURPLE PRINCE.—A beautiful purple shade of this popular flower. Fine for a mixed bed. Each 10c; doz. \$1.00.

SILVER SPOT.—Foliage green, spotted clear white; flowers bright scarlet. An attractive bedding plant. Each 15c; doz. \$1.25.



MRS. C. N. PAGE SALVIA



STEVIA
SERRATA

STROBILANTHE

ROYAL PURPLE.—An excellent bedding plant and a beautiful foliage plant for pot culture. Forms a compact bush 18 inches high, with leaves 6 to 9 in. long, of beautiful metallic purple, shading into light rose with a light green margin, a combination unapproached by any other plant. Flowers violet blue, borne in immense racemes. Each 15c.

VERBENAS

Everybody likes Verbenas, as no one can help enjoying the sight of a nice bed covered with dark green leaves and brilliant blossoms. We have a large stock of the finest flowered varieties which bloom freely and are of the finest colors. We can furnish separate colors such as red, pink, white, blue, purple, maroon striped, etc., or nicely assorted, just as you prefer, at 10c each, 75c per doz.



WHITE SWAINSONIA

SWAINSONIA

WHITE.—Beautiful new climbing plant. The habit of growth is extremely graceful, and a plant trained up at the side of a window or on a trellis presents a lovely sight of light green, feathery foliage, and a splendid profusion of pure white sprays of flowers resembling Sweet Peas in form. Easily grown. Each 10c.

PINK.—A beautiful new sort, similar to above, except that the flowers are a clear pink. Each 15c.

STREPTOSOLON

JAMESONI.—Belongs to the Browallia class. It is desirable both for indoor blooming and for summer bedding. It grows one or two feet high and produces a great number of flowers of beautiful orange scarlet. Each 15c; doz. \$1.25.

STEVIA

SERRATA.—A pretty flowering plant. Largely grown by florists in pots for blooming in the fall and winter. Plants are of upright growth, 18 inches in height, producing numerous sprays of small white florets of delightful fragrance. Not hardy and therefore should be potted in the fall for winter blooming. Each 15c.

VARIEGATED.—A beautifully variegated green and white leaved variety of Stevia of great value for ribbon beds and borders. Each 15c; doz. \$1.25.



STROBILANTHE

EVERBLOOMING ROSES

We consider these not only the most popular, but also the most satisfactory of all flowers, and therefore we make roses a leading specialty and are now devoting to them more space in our greenhouses and more land in our fields than ever before. Our plants of the several varieties are mostly grown on their own roots and are strong healthy and vigorous. We have taken great pains in preparing this list, which represents the choicest selections from nearly a thousand varieties, and we are sure every one will prove satisfactory. The two-year-old plants offered in this class of roses are mostly pot growing plants. Roses sent by mail or express prepaid in perfect condition, to the most distant parts of the United States, and we guarantee safe arrival. Directions for culture sent with every package. **One dozen of any variety at price of ten.**

ANTON ROVOIRE.—A hybrid tea of beautiful light pink color, delicate and lovely. A fine ever-blooming variety of robust, vigorous habit. One of the best of late introductions. Each 15c; two-year-old plants 30c.

FRIEHEER VON MARSCHALL.—Dark carmine, buds long and pointed, flowers large, full and of perfect imbricated form. Each 15c; two-year-old plants 30c.

BON SILENE.—One of the oldest varieties in the entire list and has been grown for seventy years. It still retains its place as one of the best. Color deep rose though varying at times to a lighter shade. Each 10c; two-year-old plants 25c.

BRIDE.—A fine pure white cut flower rose. Very double. Buds are of very large size, carried high and erect; unsurpassed for purity and whiteness. Each 15c; two-year-old plants 25c.

BEAUTY INCONSTANT.—A wonderful variety, producing flowers of many shades of pink, red, crimson and yellow, all on the same bush at once, making a plant of indescribable beauty. Each 15c; two-year-old plants 30c.

BESSIE BROWN.—Blooms are very large in size, full double and of perfect shape; color creamy white flushed and tinged with pink. Blooms freely. See special offer on front cover page. Each 15c; two-year-old plants 35c.

BRIDESMAID.—Like the Bride but of a lovely shade of clear pink. Thousands of this sort are grown every year for cut flowers, and it is also very desirable for summer bedding out of doors. Each 10c; two-year-old plants 25c.

COQUETTE DE LYON.—A most desirable bedding variety of light canary yellow in color. Flowers extra large, finely formed, deep and double. Ea. 15c; two-year-old 35c.

CHATENAY.—A most wonderfully beautiful rose. Flowers are of elegant shape with slightly recurved petals. Color creamy rose shaded with rose carmine. An extra choice garden variety. Each 15c; two-year-old 35c.

CHATENAY

CHAMPION OF THE WORLD.—The champion bloomer. It is claimed that one plant will produce more flowers during the year than ten plants of any tea rose. A color which few roses can equal; rich, deep, rosy pink. See special offer on front cover page. Each 15c; two-year-old plants 30c.

FRANCISKA KRUGER.—A strikingly beautiful rose of deep coppery yellow; quite unique and distinct from all others. Of large size and very symmetrical. Each 15c; two-year-old plants 35c.

GEN. MCARTHUR.—An everblooming rose of exceptional hardness, needing only slight protection over winter. Color vivid crimson scarlet. Branches freely and grows strong and vigorous. Each 15c; two-year-old plants 35c.

GOLDEN GATE.—A beautiful free blooming and healthy flower, long stems and continuous bloom. Flowers creamy white, delicately tinged with golden yellow and bright rose color. Each 10c; two-year-old plants 25c.

GOLDEN BEDDER.—The finest golden yellow tea rose. A strong, healthy, vigorous plant and a profuse bloomer. By some it is called Star of Lyons. Each 15c; two-year-old plants 30c.

GRUS AN TEPLITZ.—One of the brightest colored roses known. When first opened it is a dark, rich crimson, quickly changing to a bright scarlet. Blooms continually. Each 15c; two-year-old plants 30c.

HERMOSA.—An old favorite variety. Prized for its beauty and abundant blossoms. Never out of bloom during summer. In color beautiful shade of bright pink. Each 10c; 2-yr. 25c.

IVORY.—As indicated by its name the flower is pure ivory white, while the plant is all that could be desired. Strong grower, vigorous and healthy. Each 10c; two-year-old plants 25c.

KING OSCAR.—Hardy, strong growing variety and flowers as freely as any dark colored rose, though it will not produce as many flowers during the season as the Kaiserin or Killarney. It is such a rich, dark color that in comparison with other varieties it appears almost a maroon black. Each 20; doz. \$1.75. Large two-year-old plants each 40c; doz. \$3.50.

LA DETROIT ROSE.—The La Detroit rose is a magnificent new hybrid tea rose, of largest size and splendid form; color clear flesh pink, shading to deep rose; fine broad shell-shaped petals, very full and deliciously tea scented; a vigorous grower. Each 10c; two-year-old plants 35c.

KAISERIN.—Decidedly the finest white ever-blooming hardy garden rose. Soft pearly white, lightly tinted with lemon at center. Free, continuous bloomer. Buds of faultless shape, developing into large, very double flowers of exquisite fragrance. See first cover page. Each 15c; doz. \$1.50. Two-year-old plants each 30c.

KILLARNEY.—Killarney is fast pushing out the other sorts with the city florists and the cut flowers sell at about fifty per cent higher prices, owing to the fact that the buds are especially long and the color of the rose is a peculiarly bright, living pink, more beautiful than any other pink rose that has ever been on the market. A free bloomer, easily grown, and of strong, healthy constitution. Each 15c; doz. \$1.50. Large two-year-old plants each 30c; doz. \$3.00.

MADAM JENNY GUILLOT.—Buds are long and pointed. Extra large blooms with exceedingly large petals. Outer color of buds is deep saffron yellow; when open the bloom is bright canary yellow, with dark golden shading. Each 15c; two-year-old plants each 35c.

MAD. DE WATTEVILLE.—The tulip rose. A beautiful variety, color cream yellow, tinted pink. Petals are bordered with crimson, making it a striking and attractive flower. Each 15c; two-year-old plants 30c.

KAISERIN

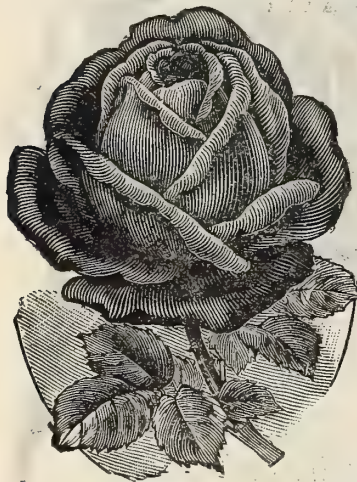
GOLDEN
BEDDER



DUCHESS DE BRABANT

as red as Richmond." Color is vivid beauty, large, bold and of splendid Each 20c. Two-year-old plants 40c.

SOUVENIR DE WOOTEN.—We consider this one of the most beautiful and satisfactory roses grown. A rich shade of velvety crimson; deliciously fragrant; a constant and prolific bloomer; flowers frequently 6 inches across. Each 15c. Two-year-old plants 25c.



RICHMOND.

Six of the very choicest of the ever-blooming roses for summer bedding. Not sufficiently hardy to withstand the winter, but will repay anyone for the extra care required to keep them from year to year by the beauty and abundance of flowers, chosen from the entire list because of their quality.

FRANCES E. WILLARD.—This extremely beautiful new pure white ever-blooming rose has proved a most valuable variety for garden bedding. It is a strong, vigorous grower, making healthy, handsome bushes. The buds and flowers are of large size and perfect form, pure snow white, delightfully fragrant, very full and perfect. Is such a vigorous grower that it will do better if given some support. Blooms much more second season than first. Ea. 15c. 2-yr 35c.

DUCHESS DE BRABANT.—This unites the highest attributes of a garden rose; very vigorous; never fails to produce flowers; healthy, rarely diseased in any way; beautiful in bud or open flower and delightfully fragrant. Color an attractive shade of soft, rosy pink, deepening to bright rose. Each 15c. 2-yr-old plants 35c.

MARIE VAN HOUTTE.—An old sort which has not been superseded. Flowers deep, double and canary yellow in color. As the flowers mature color changes to cream with tints of rose. Each 15c. Two-year-old 30c.

PRINCESS BONNIE.—An ever-blooming crimson, deep, solid and vivid. Very fragrant; one of the most prolific roses. Each 15c. Two-year-old 35c.

GEN. ROBT. E. LEE.—Ranks with Princess Bonnie as a producer. Color orange yellow, sometimes shading to a darker salmon. Ea. 15c. Two-year-old plants 30c.

ANNY MUELLER.—Sometimes offered as the Pink Baby Rambler. The flowers are produced in clusters, are of pink color and borne very profusely. A very popular variety. Each 15c. Two-year-old plants 30c.

Six White Ribbon Roses 75 cents. Two-year-old Plants \$1.25.

METEOR.—One of the standard varieties of hybrid tea or ever blooming roses. It is remarkable for the strong growth, constant and abundant blooming. The color is bright, rich, velvety crimson, a delightful shade and the most popular of colors. Flowers large, double, and its popularity is because it combines all desirable qualities of a choice rose. Each 15c. Two-year-old 30c.

MALMAISON.—A pink rose of varied shadings, light blush, rose and deep pink. It is quite hardy and is very valuable for outdoor planting. Flowers very large and double and altogether a satisfactory variety. Each 15c. Two-year-old plants 30c.

MY MARYLAND.—The color is a soft, salmon-pink which lights up beautifully as the flowers expand. The shade is most pleasing. Under artificial light, it is even more beautiful than in daylight. Growth splendid, sturdy and healthy; foliage large and abundant; strongly and delightfully perfumed. Each 20c; large two-year-old plants 35c.

QUEEN BEATRICE.—A hybrid tea rose with flowers very large and double. Color deep pink, changing to lighter shade as it opens. Offered as the queen of pink roses, and it is stated to have brought the originator \$30,000. Each 20c. Two-year-old plants 35c.

RICHMOND.—A strong rival of the American Beauty. It is a beautiful scarlet crimson, as free blooming as any tea rose, and flowers extraordinarily fragrant. A standard variety because of its merit. Ea. 15c. 2-yr-old plants 30c.

RED KAISERIN.—Distinct and pleasing shade of cherry red. A bright, free blooming sort with flowers of fine shape and substance. Each 15c. Two-year-old plants 35c.

RAINBOW.—An elegant tea rose strong, healthy, exceedingly free flowering habit. Color, lovely shade of pink, striped with intense crimson, often shaded with rich golden amber at center and base of petals. Does not always show the variegation but it is always beautiful Ea. 15c 2-yr-old 35c.

RHEA REID.—A magnificent rose described by an enthusiastic rose lover as being "as large as American Beauty, as double as La France and as beautiful as American Beauty, and the flowers are marvels of substance. Very hardy and of thrifty growth. Each 15c. Two-year-old plants 25c.

SUNRISE.—The color of this beautiful rose is so varied it is difficult to describe. Buds yellow and scarlet and as they open colors deepen, the yellow changing to rich orange, while the scarlet grows darker. Inside of petals of golden yellow and the contrasts of the flowers are so striking that it will attract attention anywhere. Each 15c. 2-year-old 30c.

SUNSET.—Beautiful old gold, shaded coppery crimson, with sunset tints. Each 15c. Two-year-old plants 30c.

UNCLE JOHN.—Always in bloom. Strong bush form, not troubled with disease. Flowers rose color, shading to pink and white; fragrant; large, double. Each 15c. 2-yr-old 30c.

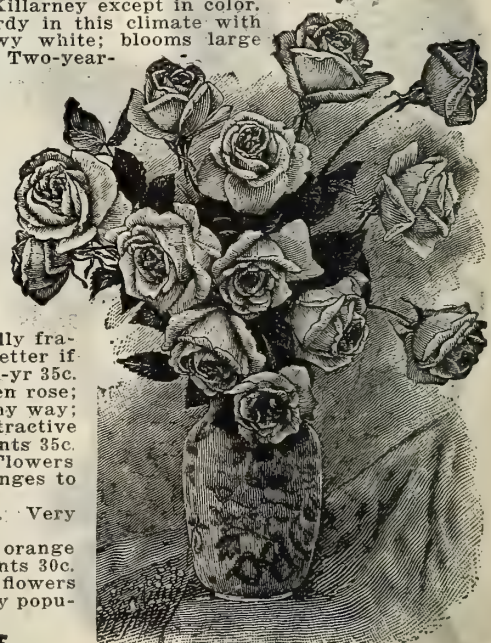
VERDIFLORA.—The green rose that cannot fail to attract attention and cause surprise wherever seen. Deep green petals; free bloomer. A curiosity of the rose family. Each 15c. 2-year-old 25c.

WHITE KILLARNEY.—Exactly like Killarney except in color. It is one of the best garden roses, hardy in this climate with slight protection. Color is pure, snowy white; blooms large and buds long and pointed. Each 15c. Two-year-old plants 35c.

WHITE RIBBON BEDDING COLLECTION



RAINBOW.



FRANCES E. WILLARD

SUMMER CLIMBING ROSES

MRS. ROBERT PEARY.—(Climbing Kaiserin Augusta Victoria.)—Praised not only by professional but also by amateur growers. It is ever-blooming and while not classed as a hardy variety will live over winter with slight protection. The flowers are extra large, full, deep and double. The buds are long and pointed. Color pure ivory white; of delicious fragrance. Grows 10 to 15 feet in a single season. Each 20c. Two-year-old plants each 50c.

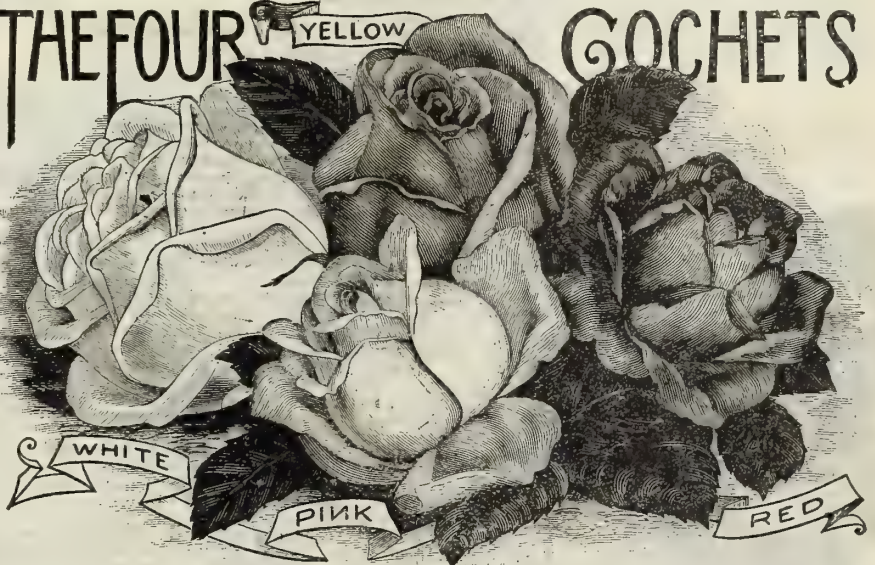
MARECHAL NEIL.—Grand old French variety, ever beautiful and of surpassing fragrance. It is a climbing rose which, when well cultivated, will produce an immense number of flowers. Hardy in the south but will not stand severe winters, and must be taken in and kept dormant during the winter, or may be kept in the house or conservatory. Excellent winter bloomer. Each 15c, doz. \$1.50. Large two-year-old plants each 35c, doz. \$3.25.

ENGLAND'S FAVORITE.—Our attention was immediately attracted by this charming, peculiar colored rose when we were traveling through northern England where this variety is very popular. The outside petals are a rich, deep golden yellow, shading to a deep coppery yellow toward the center of the flower. Each 20c, doz. \$1.75. Two-year-old plants each 40c, doz. \$3.50.

CLIMBING WOOTEN.—Deep velvety crimson flowers. Strong grower and will winter in the north if slightly protected. Each 15c, doz. \$1.50. Two-year-old plants each 35c, doz. \$3.25.

ONE EACH OF THE FOUR BEAUTIFUL SUMMER CLIMBERS FOR 50c.
LARGE TWO-YEAR-OLD-PLANTS \$1.60.

THE FOUR COCHETS



The Cochet roses are exploited by specialists as the best hardy roses for outdoor planting. They are everblooming and distinctly beautiful, and we offer you in our collection the choicest varieties of this popular type.

MAMAN COCHET.—Buds large and pointed, while the open flowers are extra large, double and bloom all the time. Color is a rich, clear pink, changing to silvery rose. Each 15c. Two-year-old plants 30c.

RED COCHET.—Helen Gould. Buds are long and pointed; flowers are full and perfectly double; color rich, rosy crimson, bright and glowing; a good winter bloomer. Each 15c. Two-year-old plants 30c.

WHITE COCHET.—An exact counterpart of the beautiful Maman Cochet except that it is of purest white. Very desirable. Each 15c. Two-year-old plants 35c.

YELLOW COCHET.—Deep sulphur yellow. True Cochet type; most desirable of yellow roses for outdoor planting. Each 20c. Two-year-old 35c.

ONE PLANT EACH OF THE FOUR COCHET ROSES FOR 50c. TWO-YEAR-OLD PLANTS, ONE OF EACH FOR \$1.00.

SWEETHEART ROSE COLLECTION

For the past three seasons this has been an exceedingly popular offer. It was so generally satisfactory to our patrons that we have again listed for the benefit of those who may wish to purchase. The varieties are of the ever-blooming class, exceedingly fine for summer planting.

PRINCE CHARMING.—Yellow, shaded Chinese pink and saffron. Each 15c. Large two-year-old plants 35c.

CHERRY RIPE.—Bright cherry red. Each 25c. Two-year-old 50c.

ETOILE DE FRANCE.—Clear red or crimson velvet shade. It is without doubt the finest red hybrid tea rose in our long list of varieties. Each 20c. Two-year-old plants 40c.

FRAU KARL DRUSCHKE.—Immense snow white blossoms. Also known as White American Beauty. Each 20c. Two-year-old plants 35c.

SWEETHEART.—A strong growing climber. Color bright pink changing to soft white as buds mature. Each 15c. Two-year-old plants 35c.

ONE PLANT OF EACH OF THE ABOVE 60c. LARGE TWO-YEAR-OLD PLANTS READY TO BLOOM \$1.40.



CHAMPION OF THE WORLD

BESSIE BROWN

MRS. ROBERT PEARY

Full Value Rose Collection

Ten Choice Roses at a Remarkably Low Price

We grow hundreds of varieties of roses, but not a poor one. The demand for the different varieties fluctuates considerably and because we cannot gauge exactly the number of each kind that will be ordered we always have a surplus of some sorts, and if you will permit us to select the varieties we will send you

TEN CHOICE ROSE PLANTS
POSTPAID FOR 50 CENTS



NOTE OUR FULL VALUE ROSE COLLECTION OFFER OF TEN ROSES FOR FIFTY CENTS ON THIS PAGE

BEAUTIFUL HARDY ROSES

The most satisfactory of all flowering plants, making a permanent improvement which is constantly growing in value. The lower priced roses below named are growing plants in from 2 to 2½-inch pots, while the larger sizes are strong hardy, mostly outdoor grown, two-year-old plants which have been kept dormant. These can be planted outside early in the spring before it is safe to set out plants that are growing in pots, and are ready to begin blooming almost as soon as set out. Should our stock of dormants be exhausted we will send strong two-year-old plants which have been kept growing in pots. Our experiments prove that the following are the most satisfactory varieties for general use and we have discarded all others. Remember, we prepay postage or express charges on plants at prices named.

AMERICAN BEAUTY.—One of the best and most valuable roses, both for garden and house culture. Color rosy crimson, exquisitely shaded and very handsome. Extra large, full flowers and fine buds. A good bloomer. Each 15c, two-year 35c.

ANNA DE DIESBACH.—(Glory of Paris.)—Most lovely brilliant carmine, long pointed buds, and large, finely formed, compact flowers; very full and double and delightfully sweet. A vigorous grower and fine bloomer. Each 20c, two-year 40c.

HARRISON'S YELLOW.—One of the finest pure deep yellow hardy roses grown. Each 25c, two-year 50c.

ENGLISH SWEET BRIER.—Flowers are bright pink; single, but the exquisite fragrance of the flowers, the leaves and young branches in spring frequently perfume a whole neighborhood. Each 25c, two-year 40c.

LA REINE.—Color clear, bright rose; plant strong and vigorous. Blooms large, fine, full and fragrant. Each 15c, two-year 30c.

MAD. MASSON.—It is entirely hardy, blooms nearly all the time, bearing numbers of large, full, double flowers of unusual beauty and wonderful fragrance; clear, bright rose, distinct and charming. Each 15c two-year 35c.

ARCTIC ROSE COLLECTION

GLORIE DE MARGOTTIN.—One of the very finest varieties. Flowers very large, symmetrical, very full and deliciously scented. Color is clear, dazzling red. It is certainly one of the most brilliant roses ever seen. It is a free bloomer and vigorous grower. Each 15c, two-year 40c.

JUBILEE.—A grand, hardy perpetual blooming variety. Color dark crimson shaded velvety maroon; flowers sometimes six inches in diameter. Each 15c, two-year 30c.

GENERAL WASHINGTON.—Color a brilliant crimson, very rich and beautiful; large, perfectly double and free bloomer. Ea. 15c, two-year 30c.

JOHN HOPPER.—Flowers large, regular and full; color brilliant rose, shaded rich crimson. Very sweet. Each 15c, two-year 35c.

COQUETTE DES ALPS.—Flowers large and full, finely formed and pure white. Profuse bloomer. Each 15c, two-year 30c.

MAD. CHARLES WOOD.—Bright, fiery scarlet, passing to rosy crimson, shaded maroon. Each 15c, two-year 35c.

ROGER LAMBERLIN.—Exquisitely beautiful; colored rich crimson, with white edge; so different from other varieties that few persons suspect it is a rose. Each 20c. Two-year-old 35c.

J. B. CLARKE.—Awarded the gold medal of the National Rose Society. A hybrid perpetual of unique color, being an intense scarlet shaded dark, rich crimson maroon. Flowers very large and fine. Each 20c, large two-year 40c.

ONE EACH OF THE EIGHT ENTIRELY HARDY ARCTIC ROSES POSTPAID FOR 90c; LARGE TWO-YEAR PLANTS \$1.75.

GIANT IRONCLAD ROSE COLLECTION

Selected for those who want roses that will stand the severest climate and give satisfaction in blossoms.

MRS. JOHN LAING.—For outdoor planting is undoubtedly the finest. A beautiful soft pink; delicious fragrance; very double and of large size. A constant bloomer. Ea. 15c, don't 30c.

GENERAL JACQUEMINOT.—One of the grandest roses in existence; nothing can surpass them in beauty. Color a rich, dazzling scarlet, shaded with deep, velvety crimson; a superb glowing color. Each 15c, two-year 30c.

MAGNA CHARTA.—A splendid rose with extra large, rosy red flowers, beautifully flushed violet crimson. Each 15c, two-year 30c.

MRS. R. G. SHARMAN-CRAWFORD.—Very full double flowers of deep rosy pink. Beautiful. Ea. 15c, two-year 30c.

PAUL NEYRON.—Double flowers of shining carmine pink. Largest rose known, and one of the most prolific bloomers. An exceptional grower, making shoots 4 to 5 feet high in a season. Each 15c, two year 30c.

PRINCE CAMILLE DE ROHAN.—A fine rose of rich, velvety crimson, passing to maroon, shaded black. Ea. 15c, two-year 35c.

MARGARET DICKSON.—Finest of hybrid perpetuals. Flowers of perfect form, large, pure pearly white; reflexed. Ea. 15c 2-yr 35c.

SEVEN GIANT IRONCLADS FOR 80c, LARGE TWO-YEAR PLANTS \$1.60 Postpaid.



AMERICAN
BEAUTY



CAPTAIN CHRISTY.

FAVORITE ROSE COLLECTION

In this collection we have a fine display of color combined with hardness, and it is composed of proven sorts that will give satisfaction.

BARON DE BONSTETTEN.—The Black Rose.—Rich, dark red, passing to a deep, velvety maroon, nearly black. Large; very highly scented. Ea. 15c, 2-yr 35c.

DINSMORE.—We cannot praise this enough. Always in bloom, with large, imbricated, and very double flowers of dazzling crimson scarlet color; rich, spicy fragrance. Of compact, bushy growth. Fine for beds and very hardy. Each 15c, two-year 30c.

VICK'S CAPRICE.—Perfectly hardy. Flowers are large, soft, satiny pink, distinctly striped and dashed with white and carmine. Each 15c, two-year 30c.

CAPTAIN CHRISTY.—Is very double; fresh, delicate pink. Ea. 15c, two-year 30c.

MADAME PLANTIER.—Flowers borne in great profusion, are pure white; hardy as an oak, and certain to grow. Blooms in June. Each 15c, two-year 25c.

ULRICH BRUNNER.—A rich, glowing crimson scarlet; flowers of exquisite shape. Each 15c, two-year 30c.

CLIO.—Color flesh pink shaded rose in center. Large flower of fine form. Ea. 15c, two-year 30c.
THE SEVEN FAVORITE ROSES 70c LARGE DORMANT \$1.60.



ROGER
LAMBERLIN



GEN. JACQUEMINOT.

ANY VARIETY ON THIS PAGE CAN BE GROWN IN OPEN GROUND IN A PERMANENT BED



BABY RAMBLER ROSE

TRIUMPH ROSE COLLECTION

ALL OF IRONCLAD HARDINESS except Helena Canbier; all constant or perpetual bloomers, except Henri Martin, and will grow larger, more beautiful and valuable each year...

A special offer, which proved so popular we repeat it this season.

TRIUMPH.—Superb new variety from England where it is sometimes known as "Hugh Dickson." Color crimson, flamed scarlet. Blossom extra large, highly perfumed. Each 20c; two-year-old plants 50c.

BLACK PRINCE.—The finest deep, rich, red rose. Attracts the most favorable comment. A glorious, very dark crimson rose. Ea. 15c; 2-yr. 35c.

HELENA CANBIER.—A charming new French rose. Color copper yellow, changing to lemon yellow in outer petals. Each 20c; two-year 40c.

FRAU KARL DRUSCHKI.—Beautiful white variety often called White American Beauty, because its habit and growth resemble that popular sort. Ea. 20c; 2-year 35c.

FRANCOIS LEVET.—An exquisite cherry pink, delicately shaded with carmine and blush. Free bloomer and perfectly hardy. Each 20c; two-year-old 40c.

HENRI MARTIN.—A magnificent moss rose, very mossy and delightfully fragrant. Blooms only in season but is most prolific. Each 15c; two-year-old plants 35c.

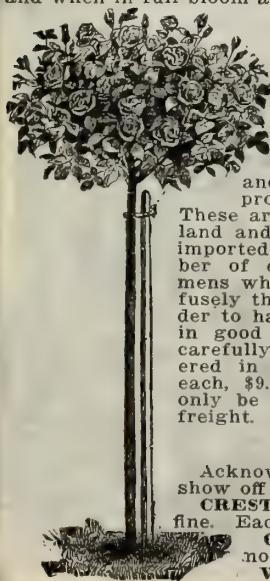
ONE STRONG PLANT OF EACH OF THE ABOVE 75c; TWO-YEAR-OLD READY TO BLOOM \$1.75, POSTPAID.

ELEGANT TREE ROSE

These Tree Roses are grafted on hardy rose stalks about four feet high, are tree-shaped and when in full bloom are objects of beauty,

making handsome plants for the lawn or rose border. In this shape we offer only the hybrid perpetual or hardy class. We have them in white, the different shades of red, pink, yellow and crimson. Should be protected in winter.

These are all grown in Holland and this year we have imported a very large number of extra choice specimens which will bloom profusely the first year. In order to have these reach you in good condition they are carefully packed and delivered in cars here at \$1.00 each, \$9.00 per dozen. Can only be sent by express or freight.



TREE ROSE

BABY RAMBLER ROSES

This type of roses has created a furore among rose planters in America and we list below three varieties in collection that our customers may have the contrast of color necessary for best effects. Entirely hardy.

CRIMSON BABY RAMBLER.—The very best bedding rose in existence. It originated in Orleans, France, from a cross of the Crimson Rambler and a Polyanthus variety, and it may be called a perpetual blooming dwarf Crimson Rambler. The bush is vigorous, absolutely hardy, about 7 inches in height, and on our place every plant was in bloom every day of the summer and fall. Sometimes as high as 120 flowers have been counted on a single panicle. Nice, well-grown plants each 15c; per dozen \$1.50. Large two-year-old plants each 40c.

WHITE BABY RAMBLER.—(Catherine Zeimet.)—The true Baby Rambler type, with pure white flowers. Deliciously fragrant and perfectly hardy. Each 15c; two-year-old 35c.

PINK BABY RAMBLER.—(Phyllis.)—A counterpart of the Crimson Baby Rambler except that color is a bright, shining pink. Splendid in combination with the above. Each 15c; two-year-old plants 35c. **SET OF THREE BABY RAMBLERS FOR 35c, OR IN TWO-YEAR-OLD PLANTS 85c.**



LITTLE WHITE PET

FAIRY ROSES

These small roses are marvels of grace and beauty; blooms are borne in clusters.

YELLOW SOUPERT.—(Mosella.)—Choice novelty. Flowers very double; tinted white on beautiful light yellow ground. Each 15c; two-year-old plants 25c.

LITTLE WHITE PET.—A pure white of perfect shape. Hardy. Each 10c; two-year-old plants 25c.

CLOTHILDE SOUPERT.—One of the most popular and satisfactory roses grown. Wonderfully free bloomer. White, shaded pink. Each 10c; two-year-old plants 25c.

WHITE SOUPERT.—(Schneekopf.)—Is similar to Clothilde Soupert except it is pure ivory white without shade of other color. Like all others of this class it is extremely free flowering. Each 15c; two-year-old plants 25c.

THE FOUR FAIRIES FOR 35c. TWO-YEAR-OLD PLANTS 80c.

RUGOSA ROSES

SIR THOMAS LIPTON.—A hardy hybrid rugosa rose. Grows 4 feet high, strong and vigorous. The flowers double pure white. Fine for hedging, cemeteries or massing. Each 15c; two-year-old 35c.

CONRAD F. MEYER.—Elegantly formed buds and flowers $3\frac{1}{2}$ to 4 in. across and perfectly double. In color rich, peachy yellow, tinged silver rose; very fragrant, entirely hardy. Each 15c; two-year 35c.

RED RUGOSA.—A single-flowered rose. Makes a handsome large bush; bright green leaves; clusters of deep rose-colored flowers continuously, followed by large apple-shaped bright red fruits. Strong plants each 25c.

C. F. MEYER

by large apple-shaped

WHITE RUGOSA.—Similar to above; white flowers. Each 30c.

ONE EACH FOUR RUGOSA ROSES IN LARGE PLANTS, ONLY \$1.00.

FOUR LA FRANCE ROSES

LaFrance roses are certainly the nearest perfection of flowers. Distinctive characteristics of the set are the true LaFrance fragrance and beautiful form. Prized for their profusion of bloom.

RED LA FRANCE.—(Duchess of Albany.)—Deep rose pink hue. Very large, double and of superb form. Each 10c; two-year-old plants 35c.

LA FRANCE.—Beautiful form in bud and full bloom; very large, full and globular; a constant bloomer; in color pink or silvery rose—a satiny sheen, as it has been termed. Each 10c; two-year-old plants 30c.

WHITE LA FRANCE.—Identical with LaFrance, except color. It is pearly white, sometimes tinted fawn. Each 10c; two-year-old plants 30c.

STRIPED LA FRANCE.—Is a rich, creamy pink with silvery gloss, beautifully streaked and etched with carmine. Each 15c; two-year-old 30c.

SET OF FOUR LA FRANCE ONLY 40c. TWO-YEAR-OLD \$1.00.

MOSS ROSE

Acknowledged queen of all roses; moss-covered stems and buds show off delicate loveliness of blossoms; hardy; needs protection.

CRESTED MOSS.—Deep pink buds surrounded by mossy fringe; fine. Each 20c; dormant 30c.

CRIMSON GLOBE.—Large flower; deep, rich crimson; very mossy; fragrant. One of the best. Each 15c; dormant 35c.

WHITE MOSS.—Everyone should have this. Each 15c; dormant 35c. **ONE EACH OF THE MOSS ROSES FOR 35c; DORMANT PLANTS 75c.**



CRESTED MOSS

WE GROW THOUSANDS OF ROSE PLANTS, GIVING SPECIAL CARE TO HAVE THEM STRONG AND THRIFTY

HARDY CLIMBING ROSES

For porches and trellises nothing surpasses the climbing roses, especially the ever-blooming varieties. We recommend the two-year-old plant for immediate effect. Following recommended as permanent plants:

BIRDIE BLYE ROSE.—This grand new ever-blooming variety is undoubtedly one of the choicest new sorts which has been introduced for many years past. It is very hardy, living over the winter with slight protection. It is a hardy pillar rose, growing about six feet high, but can be trimmed to bush form if desired; glossy foliage and blooms constantly from early June till freezing weather, producing at the end of every shoot clusters of bright, satiny-rose blossoms, quite double, intensely fragrant and over three inches in diameter. The buds are long and pointed and a bright carmine color. It was named after "Birdie Blye," or Miss Birdice Blye, as her name really is, the world renowned musician who formerly lived in Des Moines near our greenhouses. Each 20c; two-year-old plants 50c.

BALTIMORE BELLE.—Double blush white; large clusters covering plant with bloom. Each 10c; dormant 25c.

THOUSAND BEAUTIES.—(Tausendschon.)—A hybrid from crossing Crimson Rambler with Tea and Polyantha varieties. Blooms profusely from the beginning of June until the last of July. The colors of the flowers range from white to rich pink in the same clusters. Not so thorny as most varieties and is a strong and vigorous grower. Has all the desirable qualities of the hardest climbing roses. Each 20c; dormant 40c.

KEYSTONE.—In this we have at last secured a hardy ever-blooming rose of bright lemon color and delicious fragrance. Is perfectly hardy, of free habit of growth; blooms profusely; vigorous constitution. Each 15c; dormant 35c.

RUSSELL'S COTTAGE.—Dark crimson, very double and full; extra strong, rampant grower of iron-clad hardness. This is the only satisfactory dark red climbing variety. Each 15c; dormant 30c.

SEVEN SISTERS.—One of the old standard climbing roses. Crimson, changing all shades to white. Blooms in clusters. Each 15c; dormant 25c.

MARY WASHINGTON.—Hardy, perpetual blooming climber, producing double snow white blossoms from June until frost. In this lovely rose our first president took special delight and named it after his mother, Mary Washington. Each 15c; dormant 30c.

PRAIRIE QUEEN.—An old standard that will always be popular. Bright rosy red; a large flower. Each 10c; dormant 25c.

BARGAIN COLLECTION OF HARDY CLIMBING ROSES

We make a special offer of one each Thousand Beauties, Birdie Blye, Russell's Cottage, Mary Washington, Keystone, Seven Sisters, Baltimore Belle and Prairie Queen for 85c, postpaid; large dormant \$1.75.

Rainbow Rambler Collection

BLUE The greatest variation
CRIMSON and finest possible
PINK combination of
YELLOW colors in summer
WHITE blooming hardy roses.

FIVE FINE PLANTS, ONLY 50c
TWO-YEAR-OLD PLANTS, ONLY \$1.00

Postpaid to your address.



BIRDIE BLYE ROSE

MEMORIAL ROSES

These hardy roses creep over the ground like ivy. Leaves glossy dark green; profuse flowering.

WHITE MEMORIAL.—(Wichuriana.)—Fine for cemetery planting. Flowers single, pure white; hardy. Ea. 15c; 2-year 30c.

MANDA'S TRIUMPH.—Rapid, sturdy grower; bears a profusion of double, pure white, imbricated flowers; elegant for cemetery. Each 10c; two-year-old 25c.

SOUTH ORANGE PERFECTION.—Produces multitudes of most perfectly formed double flowers; soft blush pink at tips. Each 10c; two-year-old 25c.

GARDENIA.—Buds bright yellow, open flowers, cream color, 3 to 3½ inches in diameter. Delightfully fragrant. Each 10c; two-year-old plants 25c.

JERSEY BEAUTY.—Extremely vigorous grower; flowers large, single, 3 inches in diameter, opening pale yellow, with clusters of bright yellow stamens. Each 10c; two-year-old plants 25c.

UNIVERSAL FAVORITE.—Blooms are very abundant, of large size, double, of a beautiful rosy pink, and very fragrant. Each 10c; two-year-old plants 25c.

ONE EACH OF THE SIX MEMORIAL ROSES FOR ONLY 50c.



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CRIMSON RAMBLER

RAMBLER ROSES

BLUE RAMBLER.—(Veilchenblau.)—The wonderful new rose which has attracted so much attention. It resembles the well known Crimson Rambler in its climbing habit and manner of growth, having glossy green foliage and bearing large clusters of medium sized flowers. When first opened its color is an attractive shade of violet crimson, later changing to a more distinctive and the unique shade of violet-blue. It is markedly distinct in color from any other rose within our knowledge, and, from a conservative standpoint, is a novelty deserving attention and trial on pillar, arbor or trellis. Strong plants each 15c; large two-year-old 35c.

PHILADELPHIA RAMBLER.—An improvement on the Crimson Rambler. Begins blooming two weeks earlier and color is brighter, more intense crimson; almost entirely free from mildew. Each 15c; dormant 30c.

CRIMSON RAMBLER.—The most popular rose in existence as it is always satisfactory. Many instances are reported of 3,000 to as high as 19,721 flowers by actual count on one bush. It is exceedingly hardy. Flowers are produced in large trusses of pyramidal form and of the brightest crimson color. The blooms remain on the plant for a great length of time without losing their brightness. Each 10c; strong dormant plants 25c. Extra strong four-year-old Crimson Ramblers at \$1.00 each.

YELLOW RAMBLER.—Grand new variety like above except that it is golden yellow. One of the most satisfactory sorts. Each 10c; dormant 25c.

WHITE RAMBLER.—Pure white, very fragrant. A beautiful, popular and satisfactory sort. Each 15c; dormant 25c.

PINK RAMBLER.—Of shining rose color. Each 10c; dormant 30c.

DOROTHY PERKINS.—A grand new sort remarkably like Crimson Rambler, but flowers more double and beautiful shell pink color. Each 10c; dormant 30c.

WHITE DOROTHY PERKINS.—Like the parent variety with pure white flowers. The Dorothy Perkins type is preferred by most rose growers to the ordinary Rambler sorts. Each 25c; two-year-old plants 50c.

LADY GAY.—A seedling from Crimson Rambler, which it closely resembles in habit of growth. Strong and vigorous with deep green, glossy leaves in charming contrast with bright pink buds and lighter blossoms. Each 10c; dormant 30c.



MARY WASHINGTON

NOTE PARTICULARLY THAT THERE ARE TWO BARGAIN COLLECTIONS OFFERED ON THIS PAGE

TENDER VINES and BASKET PLANTS

Listed separately for the convenience of our patrons who desire them for special uses.

ALLAMANDA

HENDERSONI.—A strong growing vining variety, bearing fine large golden yellow flowers. Suitable for a trellis indoors or for outdoor summer planting. Each 20c.

CLERODENDRON

BALFOURI.—A unique and beautiful climbing plant. It presents a splendid combination of colors, having bright scarlet flowers with creamy white calyx; a profuse bloomer, young plants a foot high bearing several clusters. A strong and rapid grower for house or garden planting. Each 15c.

COBEA SCANDENS

A rapid growing climber bearing large purple flower of cup and saucer shapes. Extra fine for arbors and will cling closely to a rough surface. Each 15c, doz. \$1.25.

MAURANDIA

Graceful climbers for window or conservatory or open ground in the summer; fine to hang from vases, cover stumps and low trellises, flowering freely. Each 10c.

GLECHOMA

(Variegated Ground Ivy.)—The foliage is a bright green, marked with pure white and has a refreshing fragrance similar to mint. Graceful and beautiful for hanging baskets. A general favorite with all of our customers as there is a continued and steady demand for it. Entirely hardy when planted out, and makes an ornamental, dense mat on the ground. Ea. 10c, doz. 75c.

HOYA

CARNOSA.—(Wax Plant)—A well known house climber, with thick, fleshy leaves and curious waxy flowers, bluish white in color. A favorite for its handsome appearance. It is quite scarce and not always obtainable, but we have a good supply this season. Each 25c.

IVIES

ENGLISH.—An old favorite vine, showy the year round if properly grown. Hardy in the south but will not stand our Iowa winters. Each 10c, large 25c.

VARIEGATED ENGLISH.—Foliage very prettily marked with pure white on dark green ground. Handsome as a pot plant in the window or for trailing from the sides of boxes or baskets. Each 10c.

KENILWORTH.—An old familiar trailing ivy. Perhaps the best for shaded places or rooms where light is not strong. Each 10c; dozen 75c.

GERMAN.—Well known ivy which is very popular as a plant for hanging baskets and vases. Can be grown with very little trouble. Each 10c; dozen 75c.



CLERODENDRON.



GLECHOMA



MANETTA

BICOLOR.—One of the handsomest little vines in existence. Easily and quickly grown; blooms continuously. Well adapted for hanging baskets, pot culture, vases or beds. Flower of size and shape shown in our cut, brilliant scarlet, tipped with clear golden yellow, making it most wonderfully attractive. Manetta Bicolor blooms constantly and profusely in winter when taken into the house. We heartily recommend this vine to all customers and feel assured of no complaint when tried. Each 10c, large size 25c.

MOONFLOWER

WHITE.—A very handsome climber, growing to a height of 25 to 40 feet, and covered nightly and on dull days with its white, moon-like flowers. Each 15c, doz. \$1.25.

BLUE.—(Ipomea Leari.)—The flowers are a clear satiny blue, with well defined crimson bars, very distinct. Each 15c, doz. \$1.25.

PARLOR VINE COLLECTION

We offer on the next page a beautiful hanging basket collection at a low price, but many will prefer a few parlor vines for separate growing, and we offer you these beautiful little vines to meet this demand: 1 Vinca Major, 1 Saxifraga, 1 Manetta Vine, 1 German Ivy, 1 Kenilworth Ivy. Five fine vines, postpaid for 40c.



HOYA CARNOSA.



ENGLISH IVY



IPOMEEA LEARI

FICUS REPENS

This is a trailing or creeping variety of Rubber Plant, and is useful for baskets, vases, etc. Foliage smaller than the *Elastica* variety shown on page 109. Each 25c.

DOUBLE NASTURTIUM

Flowers are large and fully double, different in appearance from any others. Some are bright yellow color and some a rich, dark orange crimson, with shading of a deep mahogany red. It is really a good double flower, 2 to 2½ inches across, which will instantly attract the attention of everyone who sees it. Plant of climbing habit, and fine for trellises, window boxes, vases, etc. It never produces seed. Either red or yellow. Each 15c; doz. \$1.25.

PASSION FLOWER

MAMMOTH.—One of the most desirable of all climbing plants. Will climb up a trellis 10 to 12 feet high in a season and cover it all over with pretty leafage and large clusters of handsome flowers. The flowers are 2 to 4 inches across and the colors a remarkable combination of red, white and blue flowers. Each 15c.

RED FLOWERED.—Perhaps not so strong grower as the Mammoth, and the flowers are a trifle smaller, but their bright color makes them very attractive. Each 15c.

PASSION FLOWER
but their bright color makes them very attractive. Each 15c.

CONSTANCE ELLIOTT.—A white flowered mammoth variety which will add greatly to the beauty of both if planted so as to intertwine with the blue or red sorts. Each 15c.

ONE EACH OF THE THREE COLORS OF PASSION FLOWER, POSTPAID, ONLY 35c.

PANICUM

VARIEGATUM.—(*Oplismenus*.) — A creeping perennial with narrow leaves, nicely variegated white and pink, green and yellow stripes. Beautiful for baskets, vases and edgings. Sometimes called Dwarf Wandering Jew. Each 15c.

WE SHIP ANYWHERE

The plants, bulbs and seeds which you shipped over six weeks ago came to hand in splendid condition, all alive and doing well. Many thanks.
—J. J. McGrath, Ningpo, China

The plants arrived by mail today in good condition.—Pedro D. L. Santos, Saltillo, Mexico.

Plants came in fine condition.—Mrs. R. S. Chaffee, Springfield, Mass.

The plants came safely and are very fine large ones. Am much pleased with them.—Mrs. Emma A. Webb, Stockton, Calif.

I have received the plants in good condition. I thank you.—Prof. E. Grunberg, Havana, Cuba.

Plants received in perfect order and I am much pleased with them.—Wm. H. Foss, South Berwick, Maine.

The plants were received in good order and are all living and doing nicely.—Mrs. M. E. Emerson, Admire, Kansas.

**HANGING BASKET COLLECTION.****SAXAFRAGA****SAXAFRAGA**

STRAWBERRY GERANIUM.—The well known, much used old plant for hanging baskets or vases. Long, strawberry-like runners. This is an old-fashioned plant but is still popular and will always be prized for its hardiness and thrifty habit. Will grow vigorously and give satisfaction under the hardest conditions. Plants each 15c; 4 for 50c.

STEPHANOTIS

FLORIBUNDA.—One of the most charming summer climbers. It grows rapidly, with long, deep green foliage, and produces clusters of pure white, deliciously fragrant flowers. It does finely for house culture, blooming all summer. Is not hardy, but should be kept partially dormant in the house during the winter. A really beautiful decorative plant when it is properly trained on trellis and a plant rarely seen. See illustration below. Each 15c.

VINCA MAJOR

ELEGANTISSIMA.—One of the handsomest vines in existence for growing in window boxes, hanging baskets, trailing from pots, rockeries, etc. The long, trailing stems of glossy green leaves are broadly margined and variegated with white and they are always bright and pretty. Plants are of easiest culture and grow very rapidly. Does well either in sun or in shade. Blue flowers. Each 10c; doz. \$1.00. Large size 25c.

HARRISONI.—Similar to above but with darker variegation. Very popular because of strong growth. A well grown plant will completely fill a large hanging basket. Each 10c; doz. \$1.00.

SMILAX

A well known and handsome climber. Most popular of all vines with florists. Grows compact and upright, and from the manner of growth does not require any great amount of space. Can be trained on a string. Each 10c.

WANDERING JEW

An old, well known trailing plant, nice for growing in hanging baskets, vases, pots or window boxes. Several sorts with variegated foliage. Each 10c; 4 for 25c.

HANGING BASKET COLLECTION

This illustration of our popular collection but poorly depicts the great beauty of a hanging basket filled with appropriate plants, well grown and healthy. We have in this collection chosen a half dozen plants which will give splendid results with but little care and may be grown in any home window garden. At the price it is surely an opportunity.

BOSTON OR SWORD FERN.—The most popular decorative plant in the entire list. Each 15c.

REX BEGONIA.—The most beautiful of foliage plants and a source of much satisfaction. Each 25c.

TRAILING ABUTILON.—The trailing variety of the well known Flowering Maple. Each 15c.

VARIEGATED VINCA.—The most popular vining basket plant on list. A favorite with all. Each 10c.

TRAILING FUCHSIA.—Adding attractiveness with its beautiful flowers and foliage. Each 15c.

WANDERING JEW.—The old-fashioned favorite basket plant. Each 10c.

One each of above by mail, postpaid, 60c. Or will send the six plants and one 8-inch wire hanging basket and moss for lining, all postpaid, for 95c.

**STEPHANOTIS**

HARDY VINES

In making a home, plan for future beauty, comfort and happiness by planting a variety of hardy clematis, ornamental vines, shrubs and roses which will constantly grow in beauty and size. Such permanent improvements add greatly to the value of any property, and the value grows from year to year, so that instead of an expense they should be considered a paying investment. We prepay postage or express charges at these prices.

AMPELOPSIS

VEITCHII.—(Boston Ivy.)—Is a very beautiful hardy climbing plant. This is one of the finest climbers we have for covering walls, as it clings firmly to the smoothest surface, covering it smoothly with overlapping foliage, giving it the appearance of being shingled with green leaves. Should be slightly protected the first winter, but after that it will be found entirely hardy in the most exposed places, attaining a height of 20 to 30 feet in two or three years, clinging to stones, brick or woodwork with the greatest tenacity. It is a great protection to houses, as the leaves, lapping over each other like shingles on a roof, effectually prevent the rain from penetrating the walls. For covering dead trees, gate posts, boundary walls, etc., it has no equal. In the summer the foliage is a rich shade of green, but in the fall it assumes the most gorgeous tints of crimson, scarlet and orange, so dazzling as to be seen at a great distance. Each 15c; doz. \$1.25. Large plants 25c; doz. \$2.50.

ENGELMANNI.—Bears very large and abundant foliage. Has the upright manner of growth of the Veitchii and is preferred because of its much heavier growth of leaves. Each 15c; large 25c.

TRICOLOR.—A beautiful and desirable variety with foliage variegated white and pink. Bears bright blue berries. The best for trailing over rocks or low fences. Each 15c; large 25c.

ARISTOLOCHIA

DUTCHMAN'S PIPE VINE.—The well known, vigorous and rapid growing climber used so extensively for archways or verandas. It takes its name from the singular brownish colored flowers, resembling in shape a pipe. The leaves are heart-shaped and retain their color from early spring to late fall. Each 25c; large 40c.

AKEBIA QUINATA

A perfectly hardy, fast-growing Japan vine, producing flowers in large clusters, of chocolate purple color, possessing a most delicious perfume; unsurpassed for covering trellises and verandas; the foliage is never attacked by insects. Each 15c; large 30c.

APIOS

TUBEROSA.—Valuable, hardy, tuberous-rooted climber, resembling in miniature the Wistaria vine, and having clusters of deep purple flowers which have a strong violet fragrance. They grow to a great height, and bloom profusely. Plant several bulbs close together to produce a mass of vines and flowers. Each 5c; doz. 50c.

BITTER SWEET

A native climbing or twining plant; large leaves, yellow flowers, orange capsuled fruit. One of the most popular of native plants, as its beautiful seed pods are prized for winter decoration. Each 10c; large 25c.

CHINESE KUDZU VINE

JACK-AND-THE-BEANSTALK VINE.—The phenomenal growth of this new Chinese hardy vine can hardly be imagined—sometimes 12 inches a day. The large leaves of bright green afford a dense shade. In valuable for rapidly covering arbors, fences, dead or old trees, rockeries, etc. Perfectly hardy; grow 50 to 75 feet when well established. Each 15c, doz. \$1.50; medium size 25c; large size 50c.

CINNAMON VINE

A tuberous-rooted, hardy vine which is also listed among the summer bulbs. With its beautiful heart-shaped leaves and clusters of delicate white flowers and cinnamon fragrance, it is a very desirable vine. Large tubers each 10c; 3 for 25c; doz. 75c. Bulblets from which the large tubers can be grown in one season, doz. 10c; 100 for 60c.

CHINESE MATRIMONY VINE

LYCIUM.—This vine is a very vigorous growing, shrubby climber which is perfectly hardy and desirable for training on trellis, wall or fence. Every new shoot becomes filled with small purple flowers, which are followed by brilliant scarlet berries which remain on the vine until late in the winter. Although the flowers are not showy, the long stems droop gracefully and make an admirable covering for the porch. Each 10c; large 25c.

CAMELIA VINE

In the Camelia Vine (*Calystegia Pubescens*) we have a flower of true Camelia shape and size, perfectly double and of most beautiful rose color. Of easiest culture, growing well in any soil or location. Vine is of rapid growth, quickly covering trellis or porch and growing to a height of 15 to 20 feet. For best results set 12 to 18 inches apart. Leaves are lance shape, dark green, and lap like shingles. Roots live in ground over winter. Blooms continuously from May to October and pleases everyone. Each 15c; doz. \$1.25.

THE LARGE SIZE PLANTS OR VINES WILL SAVE YOU ONE YEAR IN RESULTS



AMPELOPSIS VEITCHII OR BOSTON IVY

BIGNONIA

RADICANS.—(Trumpet Creeper.)—An old-fashioned hardy climber. Very desirable for covering unsightly places, stumps, old fences, and also fine for any spot when showy flowers are desired. It has clusters of large, trumpet-shaped crimson flowers with orange throat. Grows in almost any soil under trying conditions; hardy. Each 10c; large plants 25c.

GRANDIFLORA.—The flowers are much larger and somewhat lighter in shade than above, being orange red in color. Large plants only. Each 30c.



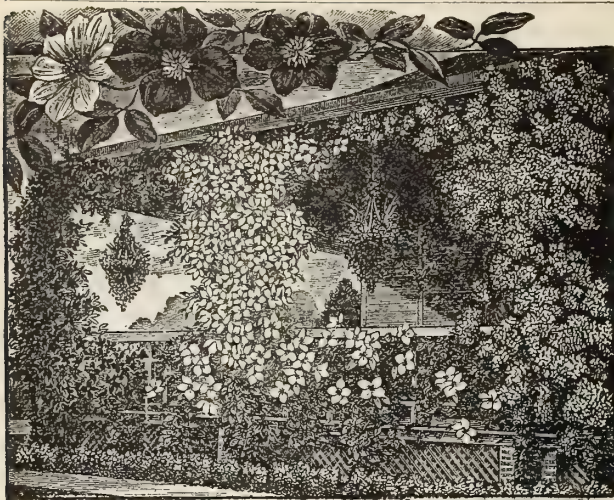
BIGNONIA RADICANS



ARISTOLOCHIA



CAMELIA VINE



CLEMATIS JACKMANII CLEMATIS HENRYII CLEMATIS PANICULATA

HARDY CLEMATIS

The most popular climbing plant of the day, and is constantly gaining in popularity—and why should it not?—as it is hardy, standing our most severe winters with but slight protection; grows rapidly and blooms freely during the entire season.

JACKMANII.—Most magnificent and showy vine in existence; of strong, healthy growth, perfectly hardy and sure to succeed anywhere. Flowers four to six inches in diameter, of a rich, deep velvety purple, distinctly veined. It is a prince among all hardy flowering vines. It is especially adapted to open lawns or house fronts in the city or country; blooms the entire season, from July to October, bearing beautiful and lasting flowers. Strong plants, each 50c.

HENRYII.—This may be briefly described as a white-flowered Jackmanii. It is the finest of all white sorts; the same size as Jackmanii. Each 50c.

MAD. EDOUARD ANDRE.—An entirely distinct and beautiful new variety, being the nearest approach to a bright red ever sent out. Has the same vigorous growth, hardness and freedom of bloom as the above, while the color is a pleasing carmine red. Each 50c.

PANICULATA.—This small-flowered variety of Clematis is one of our most beautiful, hardy, fall-blooming vines. The flowers, which are pure snow-white, are produced in immense clusters, fairly covering the plant with a mass of fleecy-white; deliciously fragrant. Of extreme rapidity of growth. Each 15c; large, extra strong plants 35c.

COCCINEA.—A charming variety of Clematis. Flowers are bell-shaped, and of brilliant coral red color. A rapid grower and free bloomer, flowering from June until frost. An herbaceous perennial, about 12 ft. high. Ea 25c.

VIRGIN'S BOWER.—(Clematis Flammula.)—An old-fashioned popular climber, growing to a height of 20 feet, and covered with fragrant flowers. The vine is perfectly hardy, rapid growing, graceful, and will succeed anywhere. Each 10c; large 25c.

COLLECTION.—A large plant of each of above kinds of Clematis for only \$1.60, postpaid. A great bargain.



WISTERIA

HOP VINE

A vigorous, hardy, ornamental vine, for covering old trees, outbuildings, fences, etc. Produces the hops of commerce. Grows 50 feet high in a single season. Is both ornamental and useful. Each 10c; doz. 75c.

MINNEAPOLIS VINE

A hardy climber well adapted for porches, screens, trellises and special uses. Produces small, star-shaped flowers in profusion. Each 10c; doz. \$1.00.

SILK VINE

PERIPLOCA GRECA.—Beautiful rapid-growing climber, 30 to 40 feet high; hardy. Leaves glitter like silk, hence name. Flowers purplish brown and borne in clusters. Each 15c; large 40c.

WOODBINE

VIRGINIA CREEPER.—A strong, rapid grower; foliage large, dark green; in autumn bronze and crimson. This is an old favorite and quite common in most localities. Valuable for covering back porches, out-buildings, arbors, etc. Each 10c; doz. \$1.00. Large size 20c; doz. \$2.00.

WISTERIA

BLUE CHINESE.—A very rapid grower, and one of the most beautiful of all climbers. It is perfectly hardy, climbing to a height of fifty feet; when covered with bloom it is magnificent. Each 15c; large 35c.

WHITE.—Similar to above; flowers white. Can furnish large plants only. Each 40c.

HARDY VINE COLLECTION

One *Ampelopsis*, for the buildings; one *Clematis Paniculata*, for the front porch; one *Honeysuckle*, for the trellis in the front yard or on the lawn; one *Bignonia* (Trumpet Creeper), for the fence or screen. These are specially selected for the purposes mentioned but can be used to advantage in many different ways. We send one each of the beautiful vines postpaid for 40c, or will send extra large, strong plants suitable for immediate effects, by express, not prepaid, for 75c.

HONEYSUCKLE

RED CORAL.—A shrubby climber and one of the most satisfactory of all plants. Has been a favorite for many years. The odd-shaped foliage is showy and attractive and it produces its bright red, fragrant, trumpet-shaped flowers almost continuously. Nice for a hedge or for training over a residence. Each 15c; doz. \$1.50. Large plants 25c.

HALLIANA.—(Hall's Japan.)—For real home vines to climb over your windows and doorways there is nothing prettier than the Honeysuckles, and the Halliana is considered by many the sweetest and most beautiful of all. It is now planted in many places on terraces and allowed to run naturally, and it makes a lovely show treated in this way. It is a strong, rapid grower, perfectly hardy and almost an evergreen even in this severe climate. Blooms constantly and profusely from June to November. Flowers pure white changing to yellow, and of peculiarly delicious fragrance. Fine for trellises or pillars. Foliage bright, glossy green; makes dense shade. Each 10c; doz. \$1.00. Large, two-year-old plants 20c; doz. \$2.00.

GOLDEN LEAVED.—Slender, moderate grower; leaves are beautifully veined and netted with bright yellow; flowers yellow and sweet-scented; fine for pillars and trellises. Each 15c; large 25c.

I am sending you another order for plants. The plants you sent me last year came all right, and are growing fine.—Mrs. R. F. Welch, Fruitvale, Calif.



RED CORAL HONEYSUCKLE

HARDY SHRUBS

There is nothing which so quickly, and for so little cost, adds so much to the beauty, cheerfulness and homelike appearance of a place as an assortment of hardy shrubs. They are permanent improvements which increase in size, value and beauty year after year. Our price is for strong, healthy plants sent by mail or express prepaid. Those marked large or dormant are strong two-year-old plants. We will take pleasure in helping you beautify your home place. We employ experts who can give you helpful advice about planting hardy shrubs and your inquiries will be answered without charge.

ALTHEA

DOUBLE WHITE.—(Rose of Sharon.)—This is generally popular as one of the most beautiful shrubs. The bushes are of neat shape, have nice foliage and would be valuable as ornamental hedge plants even if they produced no flowers. The plants, however, are loaded with large, beautiful flowers during August, September and October. Double white flowers produced in great profusion. Each 15c; large size 25c.

DOUBLE RED.—Similar to above but flowers are bright red color. Each 15c; large 25c.

DOUBLE PURPLE.—Like the above, except the flowers are a beautiful purple color. Each 15c; large 25c.

DOUBLE BICOLOR.—White, blotched pink. Very beautiful. Each 15c; large 25c.

VARIEGATED LEAVED.—The beautiful foliage of this variety attracts attention everywhere. Deep green, bordered with band of creamy white. Flowers red. Each 35c.

BARBERRY

A well-formed, spiny shrub, growing 2 to 3 feet high and useful either as a specimen plant or for hedges. Described and priced as Hedge Plants, on next page.

ARALIA SPINOSA

A curious, spiny-trunked, shrub-like tree, also sometimes called Hercules' Club, or Devil's Walking Stick. Valuable for producing tropical effects. Very showy. Each 25c; extra large size by express 50c.



ARALIA SPINOSA

CALYCANTHUS

A beautiful sweet-scented shrub; is grown as an ornamental plant and is generally known as "Sweet Shrub." Flowers purplish brown, quite double, exquisitely fragrant. Each 15c; large size 25c.

DWARF HONEYSUCKLE

RED TARTARIAN.—The best variety of Lonicera for general planting. Bloom in June with beautiful pink and white flowers, followed by red berries. Is ornamental throughout the season. Each 15c; large 30c.

EXOCHORDIA

GRANDIFLORA.—(Pearl Bush.)—Neat, compact bush; 10 to 12 ft.; can be trimmed any desired shape; pure white flowers borne in slender racemes of 8 to 12 florets each. Each 15c; large size plants each 30c.

ALTHEA
BICOLOR

CORNUS

FLORIDA.—(White Flowering Dogwood.)—An ornamental and spreading, irregular-shaped tree producing large white flowers in the spring and rich crimson foliage in autumn. Each 15c; large 25c.

STOLONIFERA.—(Red Twigged Dogwood.)—A strong growing shrub with clusters of fine white flowers, stem and branches turning blood-red in winter. Is very conspicuous and ornamental. Each 15c; large 25c.

CORCORUS

JAPONICA.—(Kerria.)—A beautiful and graceful shrub from 2 to 3 feet high and is worthy a place on the finest lawn. The quantity of bloom makes it always a prominent feature in any landscape effect. Almost constantly in bloom from June to October. Produces hundreds of large, double, yellow flowers. Each 15c; large plants 25c.

VARIEGATA.—A variety of Corcorus with nicely variegated foliage adding greatly to its natural grace and beauty. Each 15c; large 35c.

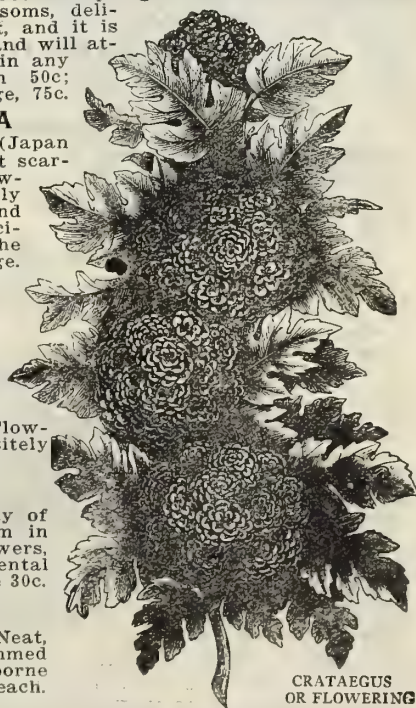
CRATAEGUS

DOUBLE RED FLOWERED.—(The true English Hawthorn.) One of the finest of the large flowering shrubs. Listed generally as

an ornamental tree. In spring it is covered with double, bright red blossoms, deliciously fragrant, and it is very beautiful and will attract attention in any planting. Each 50c; by express, large, 75c.

CYDONIA

JAPONICA.—(Japan Quince.)—Bright scarlet crimson flowers. Bloom early in the spring and are fine for specimen plants on the lawn or for hedge. Each 15c; doz. \$1.50; 100 \$10. Large each 35c; doz. \$3.25; 100 \$20.00.

CRATAEGUS
OR FLOWERING
HAWTHORN

PRIDE OF ROCHESTER DEUTZIA

DEUTZIA

PRIDE OF ROCHESTER.—By far the handsomest variety of Deutzias. It is a very desirable shrub of strong, hardy growth, with nice, luxuriant foliage and bearing an abundance of beautiful racemes of double pure white flowers. Must be seen to be appreciated. Every one of our customers should have at least one of these. Each 15c; large plants 30c.

GRACILIS.—Pretty, round, bush-shaped Deutzia, blooming freely. Each 15c; large size, each 25c.

CRENATA.—Flowers are double white, and tinged with pink. Small 15c; large 25c.

CANDIDISSIMA.—It grows about 3 feet high; bears pure white flowers. Each 15c; large plants 30c.



EXOCHORDIA

SHRUBS WILL BE SENT AT EARLY PLANTING TIME. ORDER EARLY. GET THE BEST STOCK

ELEAGNUS

LONGIPES.—(Japan Oleaster).—A very desirable shrub with silvered foliage and bright orange berries of large size and agreeable flavor. Each 15c; large 35c.

FLOWERING ALMOND

DOUBLE PINK.—One of the earliest and finest of shrubs. Loaded with double pink flowers which attract attention. Mail size 40c; large, by express, 50c.

DOUBLE WHITE.—Like above, but with snowy white flowers. Mail size 40c; large, by express, 50c.

FLOWERING CURRANT

The old fashioned, large growing Missouri Flowering Currant; grows 6 to 8 ft. high, bearing yellow flowers. Foliage finely cut, attractive. Each 10c; large plants 25c.

FORSYTHIA

SUSPENS.—(Golden Bell).—A fine, hardy shrub of weeping or pendulous habit; deep green leaves and bright yellow flowers. Blooms early. Each 15c; large 25c.

FORTUNIS.—A more upright growing variety; yellow. Each 15c; large 25c.

VIRDISSIMA.—Blooms among first shrubs. Flowers yellow, drooping and in great numbers. A variety originally from China. Each 15c; large 25c.

HYDRANGEA

NEW SNOWBALL.—(Arborescens Grandiflora Alba.)

—A magnificent new variety of the hardy hydrangea. Flowers are borne much more profusely than on the Paniculata and though the blooms are not so large they are pure white and more like the Snowball. Comes in bloom in July and August at a time when flowers of this type are scarce and is especially valuable for this reason. We believe this will become very popular and give satisfaction. Each 15c; large 40c.



NEW SNOWBALL HYDRANGEA

PANICULATA GRANDIFLORA.—The grandest as well as the most popular of all shrubs, and hundreds of thousands of them are sold every year and the demand is constantly increasing. Is unsurpassed for the lawn, a hedge, or cemetery planting. It readily attains a height of 5 to 7 feet; hardy in all localities and in July for two or three months, the flowers are massive, cone-shaped, sometimes ten inches in length, and changing from the original pure white to pink, and finally to a beautiful rich coppery red. Each 10c; doz. \$1.00. Per 100, by express, \$7.00. Large dormant plants, each 30c; doz. \$2.50. **Special**—Two-year-old plants grown specially for hedges, by express, per 100, \$12.75; 25 for \$3.50.

TREE HYDRANGEA.—Large, specially grown plants of Paniculata Grandiflora in symmetrical tree form. Each, by express, 75c.

LILAC

PERSIAN.—A well known and strong growing shrub, bearing large, fragrant clusters of purple flowers very early in spring. Each 20c; large 35c.

FIERY PLUME.—A novelty in lilacs. The brightest and nearest red flower of all the lilacs. Very showy and desirable. Each 25c; large plants 50c.

NEW DOUBLE WHITE.—This is a recent novelty of great merit and the finest flowering shrub introduced for many years. The truss is of large size, and produced in profusion. The individual flowers resemble miniature tuberoses. Each 25c; large plants 50c.

COMMON.—The old standard variety with bluish purple flowers. Each 15c; large 25c.

SINGLE WHITE.—Like above, but has white flowers, making it more desired by some. Each 15c; large plants 35c.

PURPLE FRINGE

Commonly called Smoke Tree. A large shrub with long, feathery flower stalks, giving it the appearance of being covered with a cloud of smoke. Each 15c; large 40c.



HEDGE OF CALIFORNIA PRIVET



HEDGE OF HYDRANGEA PANICULATA GRANDIFLORA

POTENTILLA

FRUITICOSA.—A small, bright-flowered shrub that grows well in moist situations. Growth upright, leaves narrow, silky; peculiar shreddy bark. Bright yellow flowers continuously from July. Each 15c; large 25c.

ROBINIA

HISPIDA.—Variously known as "Sweet Pea Shrub," "Flowering Locust," "Moss Locust," and "Rose Acacia." The shrub of shrubs for bouquet makers. When in bloom it is really but a big bouquet itself, full of dainty sprays of large, lovely, rose-pink blossoms of size and shape of sweet peas. Each 25c.

HEDGE PLANTS

Ornamental hedges are very popular, especially among dwellers in towns and cities, where they are used in place of fences for boundaries and screens. Most desirable as a feature in landscaping as they add an effect not secured in any other way.

PRIVET.—California. —A most vigorous grower of compact and regular form; foliage a beautiful shade of glossy, wax-like green which it retains well into the winter, being almost an evergreen. Sometimes winter kill in this latitude but is hardy throughout the east and south. For hedges plant 8 to 10 inches apart. Strong one-year-old plants per doz. 75c; per 100 \$6.00, prepaid. By express, per 100 \$5.00; 500 for \$17.50.

Amurensis.—Very hardy; fully as handsome as above; glossy leaves and almost an evergreen. Very desirable hedge plant for Iowa and the north, as it stands our severest winters without damage. Each 15c; doz. \$1.50; 100 \$11.50, prepaid. By express, per 100 \$9.00.

HYDRANGEA.—Paniculata Grandiflora. —Description and price above.

SPIREA.—Van Houtte. —Described on next page. By express, per 100 \$8.00; large plants \$14.00.

BARBERRY.—Purple Leaved. —A handsome hedge plant; foliage always clean; a deep, rich plum color; does not fade out in summer as do most purple leaved plants. Each 15c; doz. \$1.50, postpaid. Extra large, strong specimen plants 35c; \$3.00 per doz. By express, per 100 \$12.00.

Thunbergii.—A very pretty variety from Japan, of dwarf graceful habit; foliage small, changing to beautiful bright red early in the fall; very showy. One of the prettiest hedge plants grown. Each 15c; doz. \$1.50. Large 25c; doz. \$2.50. By express, 100 for \$14.00.

IF YOU WANT ANY KIND OF SHRUBS, EITHER LARGE OR SMALL, IN QUANTITY, WRITE FOR PRICES

SAMBUCUS

GOLDEN LEAF ELDER.—Another year only adds to our high opinion of this shrub. It is the most showy of all shrubs for the lawn. Grows to a height of about 6 ft., and has wide spreading branches. Its leaves are of dark, dazzling yellow color. Each 15c, doz. \$1.50. Large plants 30c.

VARIEGATED.—A variegated green and white sort. Each 15c, large plants 35c.

CUT LEAVED.—Elegantly divided leaves. Each 15c, large 30c.

SNOWBALL

COMMON.—A well known and popular shrub covered with dense white flowers, which gives name. Each 15c, large plants 25c.

JAPAN.—A valuable improvement on the common Snowball; the flowers are smaller, more numerous, frequently as many as 20 on a stem 18 in. long. Ea. 15c, large 35c.

SWEET PEPPER BUSH

(Clethra.)—One of the handsomest of our native shrubs; pure white; delicious flowers in July and August. Each 15c, large 25c.

SYMPHORICARPUS

RACEMOSUS.—(Snowberry.)—Bear small pink flowers, followed by large white berries, which hang on most of the winter. Very showy and desirable. Small plants 10c, large 25c.

VULGARIS.—(Coral Berry.)—Is like above; has small red fruit. Each 10c, large plants 25c.

SYRINGA

GRANDIFLORA.—Is one of the strongest growing varieties with lovely, large, very fragrant flowers. Each 15c, large 30c.

LE MOINEI.—A charmingly fragrant variety. Flowers yellowish white. Each 15c, large 30c.

SPIREA

BILLARDII.—Strong growing variety; pink flowers. Each 15c, large plants 35c.

PRUNIFOLIA.—Plant of symmetrical growth; bears long, graceful sprays of pure white flowers in great profusion. Blooms in May. Perfectly hardy and always satisfactory. Each 10c, large plants 25c.

DOUGLASII.—Somewhat larger flowered than Billardii. Spikes of deep rose-colored flowers. Each 15c, large plants 25c.

ANTHONY WATERER.—Makes a dwarf bush 18 to 36 in. high, covered from spring until late in the fall with large heads of crimson flowers. Fine for borders and hedges. Ea. 10c, doz. 85c; large 25c, doz. \$2.00.

VAN HOUTTEI.—(Bridal Wreath.)—The hardiest of all Spireas. Bushes form fine compact clumps; the pure white flowers borne in such masses that they form great plumes, drooping gracefully, giving the appearance of a snowbank of white bloom. Each 15c, doz. \$1.25, 100 \$8.50. Large, each 25c, doz. \$2.00, 100 by express \$14.00.

THUNBERGII.—Slender, gracefully drooping branches. Single white flower. Blooms early. Each 15c, large plants 30c.

TAMARIX

Foliage light, feathery and graceful; sage blue in color and very charming. Blooms through summer and autumn, flowers pink. Each 10c, extra large plants 35c.

VIBURNUM

OPULUS.—(High Bush Cranberry.)—Handsome and dense foliage; flowers white in drooping flat cymes, followed by brilliant scarlet fruit in showy bunches remaining on the plants all winter. Each 15c, large plants 30c.

WEIGELIA

ROSEA.—No shrub in our large collection has attracted more attention.

It is of robust but graceful growth, 5 to 7 feet high, and produces immense numbers of superb large trumpet-shaped flowers in June and July, and also some in the fall. The plants frequently have more flowers than leaves. Flowers shade from dark pink to nearly white in same cluster. Each 15c, doz. \$1.50. Large 25c, doz. \$2.50.

EVA RATHKA.—A splendid new variety and perhaps the handsomest yet produced. Large purplish red flowers with rich, creamy white markings. Each 20c, large 40c.

VARIEGATED.—A neat, dwarf shrub, valuable for the clearly defined variegation of green, yellow and pink in its leaves; flowers delicate pink. A fine variegated-leaved shrub. Each 15c, large plants 35c.

GRANDIFLORA WHITE.—Like the Eva Rathka and equally as desirable. Flowers are pure white without shade or markings. Each 15c, large plants 35c.

A GREAT SHRUB OFFER

Our special bargain of hardy shrubs. There is just enough to afford an opportunity for effective planting in the ordinary building spot.

A choice collection for permanent planting: 1 Deutzia, Crenata; 1 Forsythia; 1 Spirea, Anthony Waterer; 1 Hydrangea, Paniculata Grandiflora; 1 Weigelia, Rosea; 1 Cydonia; 1 Syringa; 1 Tamarix; 1 Climbing Honeysuckle; 1 Potentilla; 1 Althea.

All postpaid 88c. Large two-year-old plants by express, not prepaid, \$2.00



GRANDIFLORA SYRINGA.

Perfectly hardy and always satisfactory. Each 10c, large plants 25c.

DOUGLASII.—Somewhat larger flowered than Billardii. Spikes of deep rose-colored flowers. Each 15c, large plants 25c.

ANTHONY WATERER.—Makes a dwarf bush 18 to 36 in. high, covered from spring until late in the fall with large heads of crimson flowers. Fine for borders and hedges. Ea. 10c, doz. 85c; large 25c, doz. \$2.00.

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JAPAN SNOWBALL



WEIGELIA ROSEA

ORNAMENTAL AND NATIVE SHADE TREES ARE LISTED IN NURSERY DEPARTMENT OF THIS CATALOGUE

HARDY PERENNIAL PLANTS

It is really wonderful the immense demand which there has been for these hardy plants during the past few years, our trade in this line multiplying fourfold every year. Our customers are learning that they require less care and are more satisfactory with ordinary culture than most other classes of plants. When once set out they bloom year after year, the flowers really becoming better as the plants grow older. These varieties are all hardy, the tops dying down every winter, but coming up again in the spring. Cover with leaves or litter after ground is frozen. We prepay the postage on all of these.



THE PEARL.—Beyond question the finest of all plants for cemetery planting. The flowers are good sized, forming a beautiful plant 18 inches high, completely covered with pure white flowers from July until frost. We cannot too highly recommend this for general planting. Cut shows the heads of bloom which cover the plant. Each 10c, doz. 75c.

MILLIFOLIUM ROSEUM.—Finely cut, deep green foliage. Bears a mass of handsome, bright pink flowers in heads or umbels. Well worth growing, both as a border plant and for cutting. Each 10c, doz. \$1.00.

ANTHEMIS

GOLDEN.—A fine yellow flowered perennial; a continuous bloomer the entire summer notwithstanding both wet and dry weather. The flowers are of the exact form of a Marguerite daisy but clear yellow. Each 10c, doz. \$1.00.

AQUILEGIA

These beautiful flowers, often called Columbines, are always beautiful and attractive, reminding one of the woods. Many handsome colors. Each 15c, doz. \$1.25. Large clumps 25c.

ASTILBE

JAPONICA.—(Spirea Japonica.) — Hardy everywhere, growing about two feet high, in compact shape, with handsome foliage, from above which rise its panicles of small, feathery white blossoms, the embodiment of grace and delicacy. Give a half-shaded position. Each 15c.

ARABIS

ALPINA.—A very desirable early spring flowering plant for edgings and borders. Forms dense growth and is completely covered with pure white flowers. Each 10c, doz. \$1.00.

ARUNDO DONAX

An ornamental plant having wide, but grass-like foliage variegated white and green. Very showy and desirable for bedding. Each 15c, doz. \$1.50.

ASCLEPIAS

TUBEROSA.—Butterfly Flower.—Bright orange flower; very showy. Plant is a native perennial, growing about two feet high, blooming beautifully in July and August. Each 15c.

ALYSSUM

SAXTILE COMPACTUM.—A fine plant for rockeries or for borders, growing about 12 in. high; produces bright yellow flowers in masses. Each 15c, doz. \$1.50

BABY'S BREATH

(Gypsophila Paniculata.)—This possesses a grace not found in any other perennial, and when in bloom it forms a symmetrical mass 2 to 3 feet high, of minute white flowers, giving it a beautiful mist-like appearance. For cutting purposes it is exquisite, especially in combination with high-colored flowers. Each 10c, doz. \$1.00.

DOUBLE BUTTERCUP

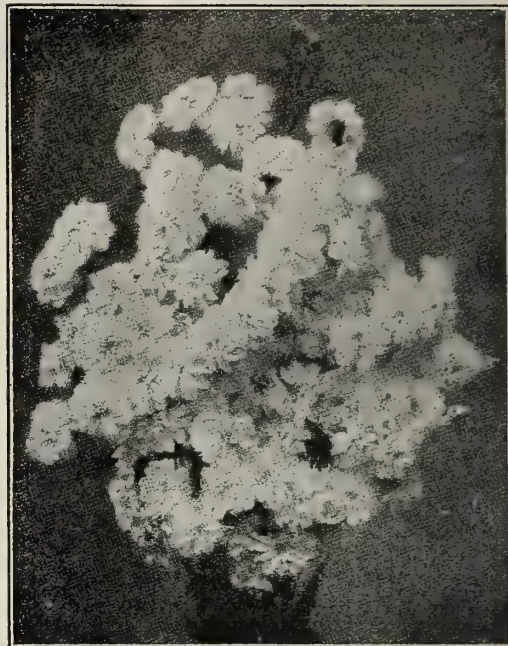
This is a dainty little novelty. The flower is from one-half to three-fourths inch in diameter, perfectly double and of a peculiarly shining bright yellow color, giving it an appearance as though varnished, and blossoms are produced in the greatest profusion. The ladies as well as the children go into ecstasies over them. Each 10c, doz. \$1.00.

CANTERBURY BELLS

We can furnish assorted colors. These are wonderfully fine perennials, which if well grown will often reach 3 feet in height. Color of flowers blue, rose or white. Each 10c, doz. \$1.00. Field grown clumps, each 25c.

DICENTRA—(Bleeding Heart)

SPECTABILIS.—The old Bleeding Heart, as lovely as ever. In early spring it bears its long chain of pendulous bloom of exquisite beauty. One of the most satisfactory of permanent plants, and a general favorite. To secure best results keep soil loose and rich. Each 15c, doz. \$1.40.



PEARL ACHILLEA



CANTERBURY BELLS.



BLEEDING HEART

OUR HARDY PLANTS ARE TESTED AND TRIED AND WILL GIVE SATISFACTION TO NORTHERN PLANTERS



FOXGLOVE

FOXGLOVE

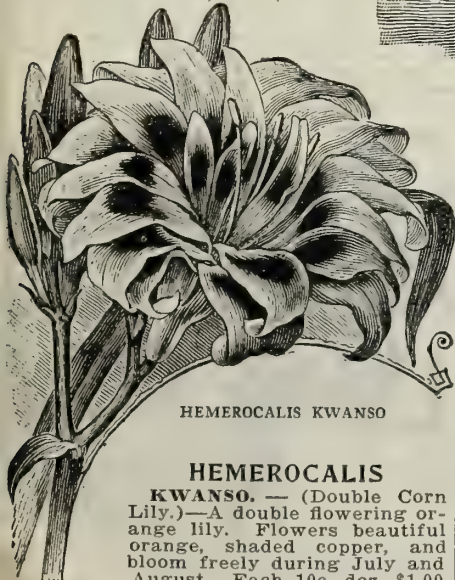
(Digitalis.)—These are most satisfactory summer flowering hardy perennials, succeeding under almost all conditions, and with but trifling attention will give wealth of flowers during June and July. They are used extensively with good effect in shrubberies and in other shady situations. Each 10c, doz. \$1.00. Large clumps 25c.

BISHOP'S SILVER BEDDER

(Aegopodium.)—Splendid ornamental plant, extremely hardy, coming up each season with increased vigor. Grows about 10 to 15 in. high, has beautiful foliage, the leaves resembling somewhat the ampelopsis in form. Leaves are brilliant green, bordered a clear white, and the contrast is very pleasing and effective. It is fine for solid beds for permanent location and can be used with good results for borders of flower beds or hardy gardens. It is especially desirable for planting close to porches and house foundations as it stands adverse conditions. Each 15c, doz. \$1.50.

HOLLYHOCK

These old favorites are again becoming popular. Both showy and desirable for massing and backgrounds. Mixed colors, including black, white, pink, yellow and red. Each 15c, doz. \$1.50.



HEMEROCALIS KWANSO

HEMEROCALIS

KWANSO.—(Double Corn Lily.)—A double flowering orange lily. Flowers beautiful orange, shaded copper, and bloom freely during July and August. Each 10c, doz. \$1.00.

COREOPSIS

GRANDIFLORA.—Very desirable for permanent plantings, producing flowers of bright yellow from June until frost. The flowers last a long time in bouquets. Each 15c, doz. \$1.50.

COLUMBINE

Columbines are old favorite late spring and early summer blooming plants. Often called Wild Honeysuckle, and some varieties are found growing wild in various portions of the country. They grow about 2 feet high and succeed in any ordinary garden soil. The varieties offered are a selection of best kinds. Ea. 15c, doz. \$1.25. Large clumps each 25c.

DAY LILY

WHITE.—(Funkia.)—A very beautiful plant for partly shady places. Large, round, heart-shaped leaves, clusters of fragrant, lily-shaped white flowers. Each 15c, doz. \$1.50.

BLUE.—Like above only flowers are of a lovely blue color, borne on tall spikes. Each 10c, doz. \$1.00.

VARIEGATED.—Beautifully mottled dark green and pure white leaves, lilac flowers. Each 15c, doz. \$1.50.

ONE EACH OF THE THREE VARIETIES OF DAY LILY POSTPAID FOR 30c.



CRIMSON EYE HIBISCUS

HIBISCUS

CRIMSON EYE.—This elegant Hibiscus is a robust grower, with red stems and green foliage. The flowers are immense in size, often measuring 20 inches in circumference. The color is of purest white, with a large spot of deep velvety crimson in center of each flower. It will succeed anywhere; is perfectly hardy. Each 15c, doz. \$1.25. Extra large plants, each 20c.

MOSCHEUTUS.—Also called Swamp Rose Mallow. A splendid pink Hibiscus, with eye of darker shade, free flowering and beautiful. Each 10c, doz. \$1.00.

MEHANS' MARVEL MALLOW

A magnificent new strain of hardy Mallow, which for size and profusion of bloom and richness of coloring are among the most beautiful and striking perennials. Blossoms are from 8 to 10 inches in diameter and the colors range from fiery crimson to pure white. All the various shades of pinks and reds are rich in coloring and striking in brilliancy. Each 20c, doz. \$2.00.



GAILARDIA GRANDIFLORA

DELPHINIUM

FORMOSUM.—(Hardy Larkspur.)—Its long spikes of bright blue flowers are produced continually from June until frost. Handsome in clumps. Each 15c, doz. \$1.50.

GAILARDIA

GRANDIFLORA.—Begin to flower in June and continue one mass of bloom the entire season. Will thrive in almost any position or in any soil, but respond freely to liberal feeding. Being perfectly hardy, they require absolutely no protection. The flowers are large, from 2½ to 3½ in. in diameter. They are produced on long stems, excellent for cutting and of gorgeous coloring. Center is dark reddish brown. Petals brilliant scarlet, crimson orange and vermillion. Each 15c, doz. \$1.50.

HELIANTHUS**MULTIFLORUS PLENUS.**

This should be in every garden and will give entire satisfaction. Flowers from 2 to 4 inches in diameter, double as any double dahlia, and cover the plant from the ground to the top. Color a bright golden yellow. Give it a sunny position and a rich soil. Each 15c, doz. \$1.25.

HELLEBORUS**NIGER.**—(Christmas Rose)

—Large, pale pink blossoms, which appear very early in spring. Flowers 2 to 3 inches in diameter, borne profusely. Succeed in any good garden soil in partly or shaded spots. Each 25c, doz. \$2.40.

CEMETERY COLLECTION OF HARDY PLANTS

Chosen for cemetery planting because they will grow continuously, bloom freely, and require but little care.

1 Pearl Achillea, 1 White Hardy Pink, 1 Hardy Candytuft, 1 Armeria (Sea Pink), 2 Creeping Phlox, 1 Green Myrtle, 7 fine plants in all, postpaid for only 50c.



HELIANTHUS MULTIFLORUS PLENUS



JAPANESE IRIS

IBERIS

SEMPERVIRENS.—(Perennial Candytuft).—A dwarf plant producing clusters of handsome white flowers. Each 10c, doz. 90c.

LATHYRUS

PERENNIAL PEAS.—Thesweet pea which will remain permanently in the beds or rows as planted. We can supply them in choice mixtures of colors. Each 10c, dozen \$1.00.

LINUM

PERENNE.—A variety of perennial flax with graceful foliage and bearing flowers of light blue. Very attractive. Ea. 10c, doz. \$1.00.

LYCHNIS

CHALCEDONICA.—(Firefly).—An old favorite, bearing large heads of bright scarlet flowers. Each 15c, doz. \$1.25.

HAAGEANA.—(Maltese Cross.)—More dwarf than above, but produce fine orange scarlet flowers. Each 15c, doz. \$1.25.

MONARDIA

DIDIMA.—(Oswego Tea).—The flowers bright scarlet, produced in spikes. Each 10c, doz. 75c.



HARDY GARDEN PINK

GERMAN IRIS

The true "Fleur-de-Lis," the national flower of France. Perfectly hardy, thrive anywhere, grow and bloom luxuriantly, particularly if plentifully supplied with water or if planted in moist situation. Any of the varieties of German Iris named below, 10c each; dozen \$1.00. Large field-grown clumps each 20c, dozen \$3.00.

MME. CHERAU.—Tall growing sort. The standard petals white, edged lilac; fall petals violet. Very large flowers and strong spikes.

FLORENTINA ALBA.—A lovely soft white, very handsome plant. Very early bloomer; tall. Plant with Florentina for contrast.

FLORENTINA.—Early, tall, flowers blue. Fine variety.

GIPSY SEEDLING.—Standards rich cream yellow; falls deep purple; medium height.

HONORABLE.—Standards cream yellow; falls chestnut brown; medium height. Striking in contrast planting.

CANARY BIRD.—Falls creamy white, standards light canary yellow.

CELESTE.—(King of the Blues.)—Standards lavender blue; falls dark blue. Tall growing and beautiful.

FLAVESCENS.—Standards cream white; falls cream, veined with bronze. Tall growing; later than most sorts but fine for contrast.

Any variety named above, each 10c; doz. \$1.00; 100 \$5.00, prepaid.

JAPANESE IRIS

These magnificent Iris are among the most beautiful of the summer-flowering plants. Of immense size, and their coloring is exquisite. Think of a plant sending up to a height of three feet, a dozen flowering spikes, each one bearing two to four blossoms eight or ten inches across, and of the most beautiful markings and combinations of colors—white, indigo, purple, blush, yellow, etc. Except the Orchid, no other can compare with this delightful flower; as easily grown as a potato, in any good garden soil, if kept thoroughly wet. Plant with full exposure to the sun. Once planted, they are a joy for a lifetime, blooming profusely in June and July. Double mixed, each 15c, doz. \$1.50. Single mixed, each 15c, doz. \$1.25.

IRIS SIBERICA

A favorite variety with blue flowers. Foliage smaller and much finer than the German Iris and more nearly resembling the Japanese. Each 10c, doz. 60c.

IRIS PUMILA

A dwarf, early blooming variety, quite desirable for borders and edgings. Violet blue flowers. Each 5c, doz. 50c, 100 \$3.00.

SUCCESSION IRIS BED

One plant each of the eight named sorts of German Iris, giving a contrast of color from first early spring to the middle of June. Also two Siberian Iris and two Pumila Iris. In all, a dozen choice Iris of different types and colors, postpaid, for only \$1.00. If you want this collection in field-grown clumps for immediate effect, price is \$2.00.

PLATYCODON--(Wahlenbergia)

A bushy herbaceous plant 2 to 3 feet, with handsome, deep green foliage and bearing grand clusters of beautiful large bell-shaped flowers; blooms very profusely and continuously all summer if flowers are removed as soon as they begin to fade. Flowers are of large size, being 2½ to 3 inches in diameter, and the various shades of blue, lavender and white. The plants increase in size from year to year and are sure to please. Single flowered, each 15c. Large, each 25c.



On strong plant of each of the seven named varieties of Garden Pinks, postpaid for 60 cents.

GERMAN IRIS

MYRTLE

GREEN.—A handsome trailing plant largely used for cemetery planting. Has beautiful, glossy, dark green leaves which form a mat over the surface of the ground. Flowers heavenly blue. Each 10c, doz. 90c, 100 for \$6.00.

HARDY GARDEN PINKS

Dwarf hardy garden plants that will grow anywhere and increase in beauty every year. A universal favorite because of delightful, clove-like fragrance.

LAURA WILMER.—A choice variegated sort of great beauty. Each 10c, doz. \$1.00.

ABBOTSFORD.—Deep carmine, marbled with white, clove fragrance. Each 15c, dozen \$1.25.

ELSIE.—Bright rose with maroon center. A general effect pleasing and attractive. Each 15c, doz. \$1.25.

WHITE RESERVE.—Beautiful, clear white. Each 15c, doz. \$1.50.

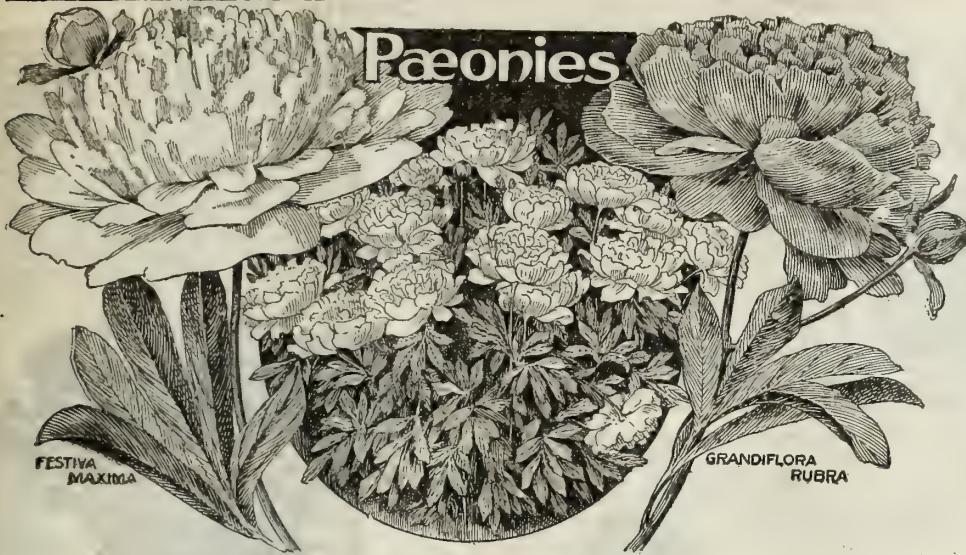
HER MAJESTY.—A grand variety; plants grow to immense size, spreading and producing immense numbers of pure white, double flowers. Each 10c, doz. \$1.00.

JULIET.—A white flower, streaked and laced with crimson. Very pretty. Each 10c, doz. \$1.00.

HOMER.—Flower contains a dark center in a bright red ground color. Each 15c, doz. \$1.50.

MIXED VARIETIES.—Desirable for large beds or borders. Doz. 65c, 100 for \$4.00. Large clumps of named varieties of Garden Pinks, 25c each, per dozen \$2.00.

Paeonies



WHITE PAEONIES.

FESTIVA MAXIMA.—By far the finest double white paeony grown. The flower is of immense size, perfectly globular, the guard petals being large, while the inner petals are crimped, thus making it appear extremely double. The color is of the purest snow white with sometimes slight carmine marks in the center. Our price only 50c, doz. \$5.00.

QUEEN VICTORIA.—Very double and compact; color flesh white, white center, petals lightly spotted with red. A half dozen of these make a magnificent bed. Each 25c, doz. \$2.50.

GOLDEN HARVEST.—This is probably the nearest approach to a yellow Paeony. Outer petals light blush, light yellow center. Very prolific, bearing flowers in clusters of three. Ea. 60c, doz. \$5.50.

MARIE LEMOINE.—A rare and magnificent variety; flowers are enormous, opening a light blush pink, changing to white when flower is mature. Very late bloomer. Very scarce. Ea. 75c, doz. \$7.

PINK AND ROSE PAEONIES.

"ALL-AGLOW."—Iowa Seed Co.'s magnificent pink. Well described by its name; outer and guard petals are a delightful pink, while entire center is rich salmon tint. Flowers are extra large and, intensely brilliant; blooms from medium early till very late. One of the best pink Paeonies in existence. Each 35c, doz. \$3.50.

VICTORIA TRICOLOR.—Is a very large, full flower; outer petals pale rose, inner petals white and center bright rose, thus showing three shades of color, from which it takes its name. Each 25c, doz. \$2.50.

FLORAL TREASURE.—One of the finest in the entire list. The flowers are extra large and very double; exceedingly prolific; color soft, delicate blush pink. Each 40c, doz. \$4.00.

LA ESPERANCE.—An exceedingly fine vivid rose-colored flower, growing compact and highly perfumed. Early and free flowering. Each 25c, doz. \$2.50.

JENNY LIND.—A lovely shell pink colored flower of extra size and early blooming. Plant strong and free flowering. One of the best of the light tinted sorts. Each 25c, doz. \$2.50.

ANDRE LAURIES.—A very double flower of deep, bright rose. Blooms late in season. Strong, robust grower. Each 25c, doz. \$2.50.

HUMEIL.—Very large and full and one of the finest; color bright pink and delightfully fragrant. Elegant foliage; a fine specimen for the lawn. Blooms late. Each 25c, doz. \$2.50.

PAEONY COLLECTION.—Six fine Paeonies, including one of our beautiful "All Aglow;" the others all different; ppd. \$1.00



PAEONIES

Floral specialists have given this flower great care and attention, until there are now over a thousand named varieties, many of them curiously beautiful in shape and color. It is truly a noble flower rivaling the rose in brilliancy of color and perfection of bloom, while greatly surpassing it in size and stately grandeur. One writer has well said that the "Paeony fully equals the rose except in poetry, perfume, thorns, bugs and disease." They are of the easiest culture, most vigorous habit, and free from disease and insects. The foliage is rich, glossy and ornamental, even when plants are not in bloom. Many of the newer varieties are quite fragrant and no other flower is so well adapted for large and showy bouquets. Plant the paeonies this year, plant lots of them in rows, beds or as specimen plants on the lawn.

They make a grand show. May be transplanted in either spring or fall. Set out early in spring as possible. Fall planting should be done in September or October, and they should be protected slightly the first winter. They may be left undisturbed for twenty years or more. In planting set the crowns two inches below the surface. We pay the postage.



LA ESPERANCE

BRIGHT AND DARK RED PEONIES.

MARECHAL VALIANT.—Beautiful solid flower of deep rose color, differing from most sorts in the solid flower having practically no division of outer petals and center. Very double; late flowering. Each 35c, doz. \$3.50.

GRANDIFLORA RUBRA.—Has extra large balls of blood red, magnificent flowers. Probably the largest red variety in existence, often 8 or 9 inches across. Give it rich soil and you will be surprised. Each 50c, doz. \$4.75.

RUBRA TRIUMPHANS.—An early blooming and very sweet-scented flower of rich, brilliant, glowing, satiny crimson color. Each 35c, doz. \$2.00.

POTSII.—Color deep, dense, bright crimson; a free bloomer. A beautiful and desirable variety. Each 25c, per dozen \$2.50.

PRINCE IMPERIAL.—Deep purplish crimson, shining and satiny. Flower very double; rich and striking; early. Splendid sort for contrast with lighter shades. Each 50c, dozen \$4.50.

PINK PAEONY OFFER OUR PAEONY BARGAIN

We have a surplus of pink sorts, and as they are not all of one shade of color they will make a beautiful bed or border.

6 FINE PINK PAEONIES
Postpaid for \$1.00.

One white, one pink, and one red, our choice of varieties, but good plants and will produce good flowers. A real bargain this season.

3 DIFFERENT COLORS
Postpaid for 50c.



PARDANTHUS

(Blackberry Lily.)—Quite curious and handsome. The flowers are orange colored spotted with brown, about two inches in diameter. The blossoms are followed by seed clusters like a blackberry in size, shape and color. Each 10c, per dozen 85c.

HARDY PHLOX

We know of nothing in hardy perennials more showy or effective than a fine collection of hardy phloxes, and the new and improved varieties that have been introduced recently will add very much to their popularity. Flowers are very large and have exceedingly brilliant shades of color. Bloom from spring to very late fall.

A collection of all the sorts we list is offered below and if these varieties are massed in good soil, kept loose, the result will be a splendid show of immense flowers intermingled red and white.

BOUQUET FLEUR.—A rather dwarf sort, producing large, rounded trusses. Color white with deep rose eye. A dainty contrast of color and a bloom of beauty. Each 10c.

COLIBRI.—A very late bloomer of good size and form. Color white with crimson center. The general appearance of the flower is bright and beautiful with decided contrast in color. Each 15c.

HENRY MURGER.—Flowers are extra large, floret white with very large crimson center. A fine variety. Each 15c.

JEANNE D'ARC.—A pure white flower, blooming rather late, but remaining long in bloom. Heads of bloom very large and a well grown plant is a great mass of white flowers in fall. Each 10c.

OBERGARTNER.—Bright magenta with crimson carmine eye. Large flower and truss. One of the finest. Is the brightest one in the list, the harmony of color producing a brilliant blossom. Each 15c.

MRS. JENKINS.—The largest of pure white sorts. Immense panicles of bloom, early and free flowering. Splendid for mass planting. Each 15c.

PEARL.—Best pure white variety. A standard sort and a great favorite because of purity of color. Large, beautiful flowers. Each 10c. Can supply field grown clumps of this variety. Each 25c.

WM. ROBINSON.—Splendid, showy flower of salmon scarlet. No matter how many colors you have in the bed this one will be specially noticed. Each 15c.

The seeds and prony roots all reached me in good condition. I appreciate your liberality in sending the extra seeds.—Sarah E. Gibson, Hagerstown, Md.



BLUE SPIREA



HARDY PERENNIAL PHLOX.

One plant each of hardy phloxes postpaid, \$1.00

RUDBECKIA

GOLDEN GLOW.—A glorious hardy plant that should find a place in every garden. It is of fine habit; vigorous growth, with early, continuous and immense blooming qualities. The stems are long and gracefully poised. It attains a height of six to eight feet, and a small plant set out in the spring will produce hundreds of blossoms during August and September, each are as large as a good sized chrysanthemum. It is of easiest culture and sure to please all. Nice for a screen row at back of lawn. Price 10c, dozen \$1.00.

BLUE SPIREA

(Caryopteris.)—This is a handsome shrubby plant for pots or open ground. Bloom from midsummer until heavy frosts. Each 10c, dozen \$1.00. Field grown each 25c.

CREeping PHLOX

(Phlox Sublata.)—The Creeping Phloxes have a charming beauty and, for general usefulness, are not surpassed by any flower that grows. They will thrive in any situation, except a very shady one; and in any soil, no matter how poor, unless it is very wet. They are absolutely hardy without protection. They have neat, evergreen foliage, and when in bloom, during the months of April and May, their multitude of lovely pink, white or blue flowers cover everything beneath as completely as a carpet covers a floor. They bloom again in September, but not so freely. They do well on good soil, but are also desirable for covering rocky hillsides, sandy slopes, bare ground too poor to grow anything else, and for edging borders of hardy plants or shrubbery they are unsurpassed. Botanically known as Phlox Sublata. We can furnish three colors: pure white, deep pink and light blue. Each 10c, dozen 75c, per 100 \$5.00.

POPPY

ICELAND.—Has fern-like foliage; bears an immense number of elegant flowers. Each 15c, dozen \$1.25.

ORIENTAL.—Mammoth flowers of gorgeous colors. Ea. 15c, doz. \$1.25.



PHLOX SUBLATA, OR CREEPING PHLOX

GRASS PINKS

The hardy and pretty clove-scented flowers which our grandmothers loved. The fragrance is quickly noticed by anyone passing by the yard where they are growing, before seeing the flowers. Flowers are double, semi-double and single, and range from pure white to dark pink and red. Each 10c, dozen 75c.

PLUME POPPY

(Bocconia - Cordata.)—Tall and stately, ornamental and sub-tropical in appearance with large plumes of white flowers on stems from six to eight feet high. Desirable for planting in the border or with shrubbery. Blooms continuously through July and August. Each 15c, dozen \$1.25.

PHYSOSTEGIA

VIRGINICA ALBA.—(False Dragon Head)—Pure white; very fine, forming dense bushes 3 to 4 feet high, bearing spikes of delicate tubular flowers not unlike a gigantic heather. Ea. 15c, doz. \$1.50.

PERENNIAL ASTER

Very showy, strong growing and free flowering, presenting a mass of small, bright flowers in large clusters during late summer and autumn. Many shades of color. Each 10c, per dozen \$1.00.



GOLDEN GLOW (RUDBECKIA)

A BED OR ROW OF HARDY PHLOX MAKES A MOST BRILLIANT SHOW OF BRIGHT COLORS

PRAIRIE DAHLIA

Everyone who sees this attractive flower is very much impressed with its beauty. It is a variety of *Helianthus* which is perfectly hardy and a perennial, withstanding our severe winters in the western prairie states without any protection. It does not produce seeds but the roots can be divided. Plants of robust growth, about 3 ft. high, and produce immense numbers of beautiful bright golden yellow flowers which greatly resemble the dahlias, and have long stems and are very fine for cutting. Strongly recommended, also, for hedge rows or divisions at the back of the lawn. Strong plants each 15c, doz. \$1.25, 100 for \$8.00.



SHASTA DAISY.

PYRETHRUM

GRANDIFLORUM.—A summer bloomer, with flowers closely resembling the daisy. Splendid for cutting as the blooms will hold their form and color for a week. Each 15c, doz. \$1.50.

SAPONARIA

(Bouncing Betsey).—Old-fashioned perennial with large double pink flowers. Each 10c, doz. 75c.

STOKESIA

CYANEA.—It produces showy aster-like deep blue flowers, which measure from 4 to 5 inches across. Each 15c, doz. \$1.50.

TRITOMA

PEITZERI.—Sometimes called Flaming Torch or Red Hot Poker Plant. At floral exhibitions and when sent out as cut flowers to market, it attracts great attention. Grows from 3 to 4 ft. high, the flower measuring 12 to 15 in. long; dazzling scarlet tinged rich orange. Each 15c, doz. \$1.50.



YUCCA FILAMENTOSA.

RIBBON GRASS

Large variegated striped grass; foliage is green, striped white. No two leaves alike. Pretty in clumps or borders. Ea. 10c, doz. 75c.

SEA PINK

ARMERIA OR THRIFT.—Foliage narrow and grass-like and bears compact heads of flowers of handsome pink color; entirely hardy. Each 10c, doz. \$1.00.

SHASTA DAISY

This is one of the most marvelous productions in the flower line. It can be grown out of doors by anybody where it is not cold enough to kill oak trees. It is perennial and blooms better and more abundantly each season. The flowers are extremely large and graceful, averaging about 4 in. in diameter with three or more rows of petals of the purest glistening whiteness, and are borne on single, stiff, wiry stems, nearly 2 feet long. Strong plants 15c each, doz. \$1.25. Field grown clumps 25c.

SWEET WILLIAM

Well known, free blooming, hardy perennial plants which produce masses of lovely brilliant, sweet-scented flowers through a long period, making a splendid effect in beds. One foot high. Flowers borne on heads or umbels with individual flowers nearly an inch across. Color white, pink, crimson, purple, etc., with rich markings. Single, each 10c, doz. 85c; double, each 15c, doz. \$1.

VIOLETS

Of all perfumes that of violets is no doubt the most delicate and pleasant and easily places these modest little blue flowers among our greatest favorites. Violets grow and bloom freely if given a cool situation, but will not succeed in a warm place, and should be well covered to insure protection during the winter.

SWANLEY WHITE.—Unquestionably the finest double variety in existence and is a decided acquisition. Plants are of vigorous growth, producing a great many of the pure, snowy white, double flowers. It has such a delightful odor that it has been called the "Queen of Fragrance." Each 15c, doz. \$1.50.

LADY CAMPBELL.—One of the best, with fine large double flowers of deep, rich purple color. Each 15c, doz. \$1.50.

MARIE LOUISE.—To contrast with the white we offer this, the finest double blue violet grown. Color deep violet blue; very fragrant; continual bloomer. Is of easy growth. Each 15c, doz. \$1.50.

CALIFORNIA.—Grand single variety. Sturdy grower, dense, heavy foliage, free from disease. Flowers fragrant, a clear unfading violet blue. The flowers are large and borne on stems 10 to 12 in. long. Hardest of all. Each 10c, doz. \$1.00.

PRINCESS OF WALES.—Broad, pansy-like flowers of a beautiful violet purple shade, with lighter center. A vigorous growing plant with clean, healthy foliage and stiff, long stems. It is one of the most beautiful and free flowering violets. Each 10c, doz. \$1.00.

ONE PLANT EACH OF THE 5 VIOLETS, 50c.



TRITOMA PEITZERI

YUCCA

FILAMENTOSA.—(Adam's Needle).—Tropical looking plant with long, narrow leaves, remains green entire year. Grows in clumps and throws up flower stalks from 3 to 4 ft. high, from which hang 100 to 300 creamy white, bell-shaped flowers. It blooms a long time. Each 15c, doz. \$1.50. Strong two-year-old plants 30c.

INTRODUCTORY COLLECTION OF HARDY PLANTS

Offered at an exceptionally low price to induce our customers to make a beginning in permanent plantings, as we believe if once established these flowers will demonstrate the advantage of hardy plants for the home grounds. The collection consists of—

3 Blue Day Lily, 1 Orange Lily, 2 Sweet William, 2 Pearl Achillea, 2 Foxglove, 3 German Iris.

The total value of the above at catalogue rates is \$1.25, but we will send you the collection as named, postpaid, for 75c; by express, not prepaid, 50c.



LADY CAMPBELL VIOLET.

SUMMER BULBS CAN BE USED TO ADVANTAGE TO ENLARGE BEDS OF HARDY PLANTS

AQUATIC PLANTS

The constantly increasing demand proves the coming popularity of aquatics. Their requirement is very simple, only sunshine, shallow water, and rich soil being necessary. Artificial ponds can easily be made or you can grow them in tubs or tanks. Most of the varieties are also adapted for growing in aquariums.



fragrance and delicacy make it much sought after and very popular. Flowers are pure white with yellow stamens, and too much cannot be said of its exquisite loveliness. It is not difficult to grow as it is indigenous to this section and perfectly hardy. Strong roots each 30c, dozen \$3.00.

PINK POND LILY.—(Nymphaea Odorata Rosea.)—This is the well known pink pond lily of Cape Cod. While not so hardy or productive as our western pond lily, the beauty of the flower with its delicate coloring, make it a desirable variety, and even one blossom will repay the grower with its loveliness for the care and labor bestowed upon it. Is hardy and not difficult to grow. Strong roots each 65 cents.

YELLOW POND LILY.—(Nymphaea Flava.)—Has flowers of golden yellow color. Each 60c.

EGYPTIAN LOTUS.—(Nelumbium Speciosum.)—A noble aquatic plant. Known in Egypt, India and China as the "Sacred Lotus." Has gigantic leaves of most tropical appearance, and flowers sometimes a foot in diameter. Color white shading to pink. Each \$2.50.

POND LILY COLLECTION

One each of the following beautiful pond lilies by mail, postpaid, only \$1.40:

Fairy Water Lily
White Pond Lily
Pink Pond Lily
Yellow Pond Lily

LUDWIGIA.—A pretty plant with smooth green leaves, variegated at certain seasons with yellow and red. It grows nicely in pots, vases and hanging baskets. Ea. 10c, 5 for 50c.



CABOMBA OR AQUARIA MOSS

FAIRY WATER LILY.—(Lymnathemum Trachyspermum.)—A fine little plant for the aquarium, resembling a miniature water lily. Leaves are about 3 inches in diameter and the flowers are borne on the same stem and close up to the leaves. Color of flowers is pure white and they are produced continuously. Price, each 15c, 6 for 80c.

WHITE POND LILY.—The ordinary water lily which sometimes grows wild in western lakes and ponds. Its beauty,



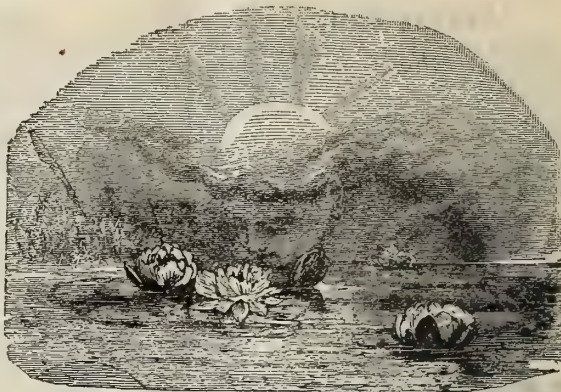
CYPERUS OR UMBRELLA PALM



WATER HYACINTH

CABOMBA, or Aquaria Moss.—This is the prettiest plant in existence for growing in aquariums, and also the most valuable. The foliage is of a beautiful light green and the leaves spread out like a fan, which gives it the name of Fanwort. Leaves beautifully and regularly cut and resemble a delicate lace fern. Grows all the year round, but it looks a great deal better during the fall and winter months than during spring. May be broken any length and roots readily. Should be weighted down in the water so the base of stems are in the sand. Bunch of ten stems 25c, postpaid.

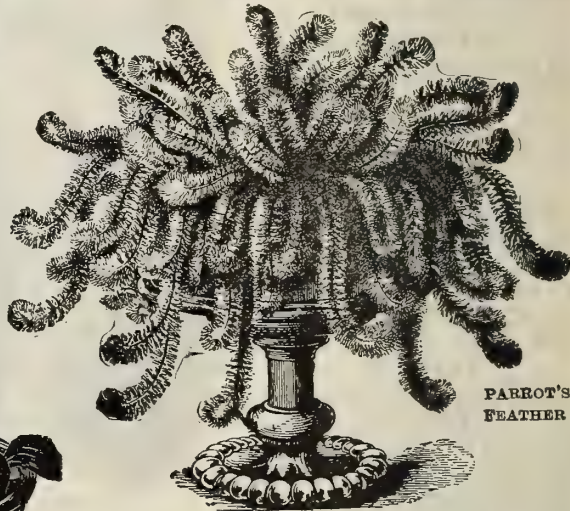
LEMNA.—Is sometimes called Duckweed. Small oval leaves, with rootlets hanging down in the water, and plants are produced very rapidly by the offshoots. Bunch 15c.



WATER LILIES

UMBRELLA PALM.—(Cyperus.)—An ornamental plant which throws up slender, round stems about two feet high, surmounted at the top by a whorl of flat, ribbon-like leaves, diverging horizontally, thus giving the plant a very curious and fantastic appearance. It is a splendid decorative plant, being as ornamental as a palm or fern, and above all it is as easily grown as the commonest weed, and will thrive in the shade as well as the sun. It is an excellent plant for the dining-room table or as a water plant in the very moist spots, or for aquariums or fountains. It should have an abundance of water, though it will do fairly well in dry soil. We sell thousands of these plants and they are always satisfactory. Each 10c, larger 25c and 50c each.

PARROT'S FEATHER.—A dainty little jewel; its trailing stems are covered with whorls of most exquisite foliage, as finely cut as the leaves of the cypress vine, but still more delicate. Each 15c.



PARROT'S FEATHER

SALVINIA.—This is a small floating aquatic plant, nice for fish globes or small aquariums. Leaves are soft green, with delicate, hairy surface. Per bunch 15c, doz. \$1.50.

SAGITARIA.—A grass-like plant quite desirable for aquariums. Grows rapidly. Each 15c.

WATER HYACINTH.—Is one of the most remarkable, curious and beautiful plants. It floats in the water, forming a lovely rosette of its curious shining green leaves, and throws up spikes of most exquisite flowers. Color is a beautiful, soft, lilac rose, sparkling as if covered with diamond dust. The upper petal has large metallic blue blotches and in the center of that a small golden yellow spot. Each 15c.

WATER POPPY.—A well known aquatic plant for shallow ponds or aquarium, bearing clear yellow, poppy-like flowers. They are easily grown and very attractive. They are not hardy and if grown in outdoor ponds should be removed in winter to the aquarium in the house. Price, each 15 cents.

AQUARIUM COLLECTION

FOR THE FANCY FISHES.

Ten Stems Cabomba

1 Ludwigia 1 Water Hyacinth
1 Lemna 1 Parrot's Feather

Postpaid for only 65 cents.

CUT FLOWERS AND DESIGNS

Orders for these goods should be addressed to **Iowa Floral Co., Box 874, Des Moines, Iowa.** If so addressed, they do not get into the seed mail but go direct to the floral department for immediate attention the instant they are received. Promptness is absolutely essential in handling this class of business and the above address on your orders will save several hours. We can ship you flowers and floral pieces, either mail or express, on quick notice and with our system of packing fresh cut blossoms they reach you in the most perfect condition. Distance is no barrier as we are within thirty-six hours of any point between New York City and Denver, Duluth or Galveston. This means that fresh flowers may be obtained for every wedding, for dinner parties, for social gatherings and gifts; it means that every funeral may be graced by floral offerings and that sick friends may be cheered to recovery with fragrant flowers.

HOME DECORATIONS

We can furnish the entire decorations for social gatherings, dinner parties, receptions, weddings, etc., and invite correspondence concerning the floral decorations for such occasions, and to patrons in Iowa and adjacent points we will send an experienced decorator to take entire charge of the decorating, asking only that you give us sufficient time to advise as to cost and necessary detail.

FUNERAL DESIGNS

We make a specialty of funeral work, giving great care to the making of designs, that they may be artistic and lasting. We can supply all the regular designs and will make special pieces as desired. Prices range from \$3.00 for the small funeral spray, to \$50 for an elaborate casket covering. The ordinary designs vary from \$3.00 to \$20.00.

CUT FLOWERS

Quality, length of stem and important market conditions govern prices. Flowers are usually quite a little higher in price at Easter, Christmas, New Year and Decoration Day than at other times. We issue a monthly price list which will be mailed to anyone regularly on request.



BRIDE'S BOUQUET.

BEAUTIFUL ILLUSTRATED CATALOGUE OF CUT FLOWERS AND FUNERAL DESIGNS MAILED FREE ON APPLICATION.

RIBBON-TIED WREATH.

"Empty Your Purse Into Your Head"

VALUABLE BOOKS

Sent Postpaid on Receipt of Price

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Vegetable Gardening.—By Samuel B. Green. A most practical and up-to-date book. Cloth, 251 pages. Price \$1.00.

Play and Profit in My Garden.—By E. P. Roe. A biography of a garden written in the most entertaining style of the author. Cloth, 349 pages. Price \$1.00.

Gardening for Profit.—By Peter Henderson. New edition of this work which has been an authority for twenty years. Cloth, 376 pages. Price \$1.50.

Canning and Preserving.—Mrs. S. T. Rorer. Containing directions for conserving all kinds of vegetables and fruits. Invaluable to the housewife. Cloth, 78 pages. Price 50c.

New Onion Culture.—By T. Greiner. How to grow the mammoth onion and produce big crops. Full of information. Cloth, 114 pages. Price 50c.

Cabbage, Cauliflower and Allied Vegetables.—By the late C. L. Allen, the recognized authority in America. Cloth, 125 pages. Price 50c.

Celery Culture.—By W. R. Beattie. The latest and most complete instructions for the management of this delicacy. Cloth, 145 pages. Price 50c.

Asparagus Culture.—By F. M. Hexamer. A complete treatise with methods used in various parts of the world. Cloth, 168 pages. Price 50c.

A B C of Potato Culture.—By T. B. Terry. Paper, 286 pages. Price 50c.

Fitz's Sweet Potato Culture.—By Jas. Fitz. Growing, harvesting and storing. Cloth, 86 pages. Price 50c.

Tomato Culture.—By Day, Cummins & Root. Paper, 158 pages. Price 40c.

Ginseng.—By M. G. Kains. Uses and propagation. Cloth, 144pp. Price 50c.

How to Grow Mushrooms.—A small pamphlet by a practical grower. Ea. 10c.

Mushroom Culture.—By W. Robinson. A complete work on the management of this profitable crop. Cloth, 50c.

Melon Culture.—By J. Troop. A practical treatise on both water and musk melons, for both amateur and market grower. Cloth, 100 pages. Price 50c.

FLOWERS.

Home Floriculture.—The new book by Chas. N. Page. It gives full instructions for the care and management of all kinds of flowers. The greatest work and the most valuable to flower lovers. Paper, 150 pages, 25c; cloth 75c.

The Gold Mine in the Front Yard.—By C. S. Harrison. A most interesting and instructive book on beautifying the home place with hardy flowers. Cloth, 280 pages. Price \$1.00.

Practical Floriculture.—Peter Henderson. New and revised edition of this complete standard work on flowers. Cloth, 325 pages. Price \$1.50.

Landscape Gardening.—F. A. Waugh. Illustrates the effects of different methods. Cloth, 152 pages. Price 50c.

Success with House Plants.—Lizzie Page Hillhouse. A practical handbook for anyone who has even a few plants. Paper, 200 pages. Price 50c.

FRUITS.

Fruit Harvesting, Storing and Marketing.—By F. A. Waugh. Useful instructions on the storage of vegetables. Cloth, 221 pages. Price \$1.00.

Horticulturist's Rule Book.—By Prof. L. H. Bailey. Tells quantities to plant; is full of valuable tables on all horticultural topics. Invaluable. Cloth, 312 pages. Price 75c.

Spraying Crops.—Clarence M. Weed. Instructions on spraying vegetables and fruits against insect enemies. Cloth, 136 pages. Price 50c.

A B C of Strawberry Culture.—By T. B. Terry. Full advice for the care and management of this best of all fruits. Paper, 280 pages. Price 50c.

Amateur Fruit Growing.—S. B. Green. A practical guide for growing both small fruits and orchard products. Paper, 140 pages. Price 25c.

Practical Fruit Grower.—By Prof. S. T. Maynard. Orchards and small fruits. Cloth, 125 pages. Price 50c.

Successful Fruit Culture.—By Prof. S. T. Maynard. Covers the entire business of fruit culture from a practical standpoint. Cloth, 274 pages. Price \$1.00.

AGRICULTURE.

Broom Corn and Broom Making.—Cloth, 66 pages. Price 50c.

Forage Crops.—Prof. Thomas Shaw. Filled with practical advice as to the production of pasture and fodder crops for live stock. Cloth, 288pp. \$1.00.

Alfalfa.—By F. D. Coburn, Secretary Kansas Department of Agriculture, an authority. Cloth, 161 pages. Price 50c.

Clover Farming.—By Henry Wallace. Every farmer should have this book, as it is valuable. Paper 35c. Cloth 50c.

Holden's Corn Book.—By Prof. P. G. Holden of the Iowa Agricultural College, a conceded authority. Paper, 25c.

Tobacco Culture.—How to grow the crop successfully. Paper. Price 25c.

POULTRY.

American Standard of Perfection.—Gives requirements for perfection in all breeds of fowls. The guide for all fanciers. Each \$2.00.

The Philo System.—How to raise poultry successfully in the city or in small space. Complete guide to the successful raising of fowls for market. Ea. \$1.00.

Reliable Poultry Remedies.—Paper, 75 pages, 25c.

Artificial Incubating and Brooding.—Paper, 95 large pages, 50c.

Egg Money.—How to increase it. By H. A. Nourse. 128 pages. Price 50c.

Poultry Houses and Fixtures.—50c.

Poultry Manual.—A valuable book by Sewell & Tilson. 168 pages. Price 25c.

MISCELLANEOUS.

Aquaria.—By Chas. N. Page. A 64-page book on the care of gold fish. Invaluable to the lover of these household pets. Paper 15c; cloth 50c.

Feathered Pets.—By Chas. N. Page. Describes and tells how to care for all birds that can be successfully kept in captivity. 140 pp. Cloth 75c; paper 25c.

Canary Breeding and Training.—By Chas. N. Page. Tells the whole story. Explains in detail the necessary care of the canary as a songster. 80 pages. Paper 25c; cloth 75c.

Parrots and Other Talking Birds.—By Chas. N. Page. Paper 25c; cloth 75c.

YOU SHOULD CONSIDER BOOKS IN THE LIGHT OF TOOLS THAT AID IN INCREASING YOUR CAPACITY



DUCHESS AND JONATHAN APPLE.

APPLES

Price 50c each, \$5.00 per doz. Ask for prices by the hundred.

Summer Varieties.

YELLOW TRANSPARENT.—Very early; light yellow; medium size; juicy, sub-acid.

RED JUNE.—Choice quality, very early, bright dark red, small to medium size.

BENONI.—Medium size, bright red; rich flavor, tender and juicy. Very productive.

DUCHESS.—Yellow, striped red; medium to large; extremely hardy and productive.

EARLY HARVEST.—Large, golden yellow; splendid quality. Very popular in Iowa for many years.

Autumn Varieties.

MAIDEN'S BEUSH.—Yellow with beautiful blush cheek. Good quality. Medium large.

FAMEUSE.—(Snow Apple.)—Deep dark red, flesh very white, juicy and rich. Splendid sort.

RAMBO.—Small to medium, striped yellow and red. Quality extra choice.

AUTUMN STRAWBERRY.—Beautiful striped fruit of yellow and red. Medium size, fine quality.

RAMSDELL SWEET.—Large. Rather oblong shape dark red. Best fall sweet apple.

Winter Varieties.

BALDWIN.—Famous eastern market apple. Large, bright red, crisp, juicy and rich.

BANANA.—Large, golden yellow, blush cheek. Of splendid quality. Popular with western orchardists.

BEN DAVIS.—Large, red, striped yellow, good quality, good keeper. Profitable market sort.

DOMINIE.—(Winter Rambo.)—Medium size, striped red and yellow. Quality very fine.

GRIMES GOLDEN.—Large, golden yellow. Favorite sort because of extra choice quality.

GENETIN.—(Rawle's Janet.)—Small to medium, red and yellow striped. Very productive, long keeper.

JONATHAN.—Most popular of all. Large, deep red. Rich flavor, juicy and sweet.

NORTHWESTERN GREENING.—Large, light green. The fruit has been kept for a year.

TALMAN'S SWEET.—Medium size. Pale whitish yellow. Good quality. Standard sweet apple.

WEALTHY.—Large, red, showy, sub-acid and productive. Most popular of all.

WINESAP.—Medium. Deep red. Quality very fine. Rich, crisp flesh, sub-acid flavor. Very popular.

WOLF RIVER.—Largest of all; grow to weigh 4 lbs. Quality fair. Yellow, striped light red. Productive.

WRAGG.

—Large, late acid variety, dark purple; very productive.

PEACHES

Each 40c, dozen \$3.50.

CROSBY.—Medium size, bright orange yellow, streaked with carmine. One of the best standard sorts and claimed to be the hardiest of all. Ripens in September.

ELBERTA.—The most popular early market sort. Large, bright lemon yellow, with blush cheeks. Ripens in early August.

CHAMPION.—Fruit large, beautiful in appearance, excellent flavor, skin creamy white with red cheeks, extremely hardy with free stones. Ripens in late August.

IRONCLAD.—Originated near Des Moines. Is perfectly hardy. Never winter-kills, even when 30 below zero. Freestone. Fruit medium size, handsome yellow with blush cheek; flesh white, juicy and fine flavored. Medium early.

PLUMS

By express, each 50c, dozen \$5.00.

ABUNDANCE.—Hardest of Japanese varieties. Large, showy and fine quality.

BURBANK.—Considered by some to be the best of all the European sorts. Color clear cherry red with thin lilac bloom. Flesh deep yellow, very sweet and agreeable.

DESOTO.—Bright red. Very prolific, of good quality. A standard native variety.

FOREST GARDEN.—Large, mottled red and yellow, very sweet and rich.

WEAVER.—Flesh firm, red, juicy, with flavor resembling apricot, freestone, early bearer and very productive, hardy and said to be curculio proof.

WILD GOOSE.—Large, rich and melting; delicious. Strong grower and prolific.



MONTMORENCY CHERRY.



IRON CLAD PEACH



ABUNDANCE PLUM



KIEFFER PEAR

PEARS

Any of following by exp. 50c each, doz. \$5.00.

CLAPP'S FAVORITE.—Very large, yellow and dull red with russet specks. Rich and melting. Ripens in August.

KIEFFER.—Large, rich colored and good quality. Excellent for canning; will keep until winter. Hardy. Ripens in October.

BARTLETT.—Large size, excellent quality. A leading variety. Ripens in August.

SECKEL.—Small, but of excellent quality; very hardy. Ripens in September.

WORDEN SECKEL.—Seedling of Seckel but larger. Best quality. Ripens September.

WE CAN SUPPLY TRANSCENDENT, HYSLOP AND WHITNEY CRAB APPLES, SAME PRICE AS APPLE TREES

SHADE TREES

We shall be pleased to supply our customers with any of the following Shade or Ornamental Trees at prices given. Please remember in ordering them that they come direct from the nursery and cannot be shipped in the same package with any other goods except nursery stock.

ASH—American White.—Fine, hardy trees of symmetrical, rapid growth. 5 to 6 ft., 30c each; \$2.50 per 10. 6 to 8 ft., 50c each; \$4.50 per 10.

BOX ELDER.—Well known, quick-growing, hardy tree. Succeeds everywhere. 5 to 6 ft., each 30c; \$2.50 per 10. 6 to 8 ft., 50c each; \$4.50 per 10.

CAROLINA POPLAR.—Takes first rank among rapid growing trees. It thrives everywhere. 5 to 6 ft., 30c each; \$2.50 per 10; 6 to 8 ft., 40c each; \$3.50 per 10.

CATALPA SPECIOSA.—Fine, rapid grower. Valuable also for timber, posts and cross-ties. 5 to 6 ft., 30c each; \$2.50 per 10; 6 to 8 ft., 40c each; \$3.50 per 10.

ELM.—American White.—Well known, beautiful shade and park tree. 5 to 6 ft., 35c each; \$3.00 per 10. 6 to 8 ft., 50c each; \$4.50 per 10.

LINDEN.—American.—A fine spreading native tree with large leaves and fragrant flowers. 5 to 6 ft. 60c each; \$5.00 per 10. 6 to 8 ft., 75c each; \$6.50 per 10.

LOCUST.—Black.—Make rapid growth; valuable post timber. 5 to 6 ft., 30c each; \$2.50 per 10. 6 to 8 ft., 50c each; \$4.50 per 10.

LOCUST.—Honey.—Handsome, well known native tree. 5 to 6 ft., 50c each; \$4.50 per 10; 6 to 8 ft., 75c each; \$6.50 per 10.



CUT LEAF WEEPING BIRCH

MULBERRY.—Russian.—A good shade tree and valuable for the fruit. 5 to 6 ft., 40c each; \$3.00 per 10. 6 to 8 ft., 50c each; \$4.50 per 10.

NORWAY MAPLE.—Hard wood, fine foliage, with beautiful spreading top. 5 to 6 ft., 75c ea.; \$6.00 per 10. 6 to 8 ft., \$1.00 ea.; \$8.00 per 10.

WEIR'S MAPLE.—Cut leaved, very hardy and graceful. 5 to 6 ft., 50c each; \$4.50 per 10. 6 to 8 ft., 75c each; \$7.00 per 10.

WEeping TREES

WEEPING MOUNTAIN ASH.—Very hardy and attractive. 1-year heads, 75c each; 2-year heads, \$1.00 each.

WEEPING CUT LEAF BIRCH.—Perhaps the most elegant of all lawn trees. Delicate foliage, silvery white bark. Tall and slender but a vigorous grower. 4 to 5 ft., \$1.00 each; 5 to 6 ft., \$1.50 each; 6 to 8 ft., \$2.00 each.

TEA'S WEEPING MULBERRY.—Very distinct and beautiful. Quite hardy. 1-year, each \$1.50.

WISCONSIN WILLOW.—Upright grower, but with drooping twigs. 5 to 6 ft., 50c each; 6 to 8 ft., 75c each.

EVERGREENS

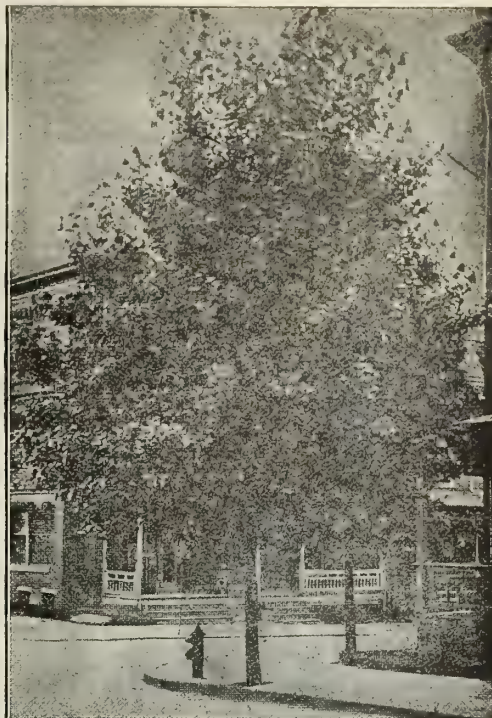
Our evergreens are all nice shapes and packed to reach you in good condition.

Variety	Size	Each	Doz.
American Arbor Vitae	12 to 18 in.	.30	2.50
American Arbor Vitae	18 to 24 in.	.50	4.00
American Arbor Vitae	24 to 36 in.	.75	6.00
Scotch Pine	12 to 18 in.	.40	3.50
Scotch Pine	18 to 24 in.	.50	4.50
Scotch Pine	24 to 36 in.	.75	6.00
Norway Spruce	12 to 18 in.	.40	3.50
Norway Spruce	18 to 24 in.	.60	5.50
Norway Spruce	24 to 48 in.	.85	9.00

SMALL FRUIT TREES BY MAIL

Many planters are now using small, one-year trees for their planting, as it is thought there is smaller per cent of loss in transplanting, and they are more readily trained to perfect shape and convenient heads. These trees can be sent by mail and we offer any of the varieties listed on the preceding page at the following low prices for small one-year trees, postage paid by us:

Apple	each 30c; doz. \$3.00	Cherry	each 30c; doz. 3.00
Pear	each 35c; doz. \$3.50	Peach	each 25c; doz. \$2.50
		Plum	each 35c; doz. \$3.50



HARD OR SUGAR MAPLE.



AMERICAN WHITE ELM.

FOREST TREE SEEDLINGS

Five hundred will be sold at thousand rates.

Variety	100	1000
Catalpa Speciosa	12 to 18 in. \$1.00	12 to 18 in. \$9.00
"	18 to 24 in. 1.40	18 to 24 in. 12.00
Black Locust	12 to 18 in. 1.00	12 to 18 in. 6.00
"	18 to 24 in. 1.20	18 to 24 in. 7.00
Soft Maple	12 to 18 in. 1.00	12 to 18 in. 6.00
"	18 to 24 in. 1.40	18 to 24 in. 8.00
Russian Mulberry	12 to 18 in. 1.25	12 to 18 in. 7.00
"	18 to 24 in. 1.60	18 to 24 in. 9.00
Osage Orange, No. 1	12 to 18 in. .60	12 to 18 in. 4.00
" No. 2	12 to 18 in. .40	12 to 18 in. 2.50



NORWAY SPRUCE.

A FEW GOOD TREES ADD MORE VALUE TO A HOME THAN ANY OTHER IMPROVEMENT

GRAPES

Our grape vines are No. 1 one-year vines, which experience has shown to be the very best size for transplanting. The best and most robust vines are marketed by nurserymen generally at one year old, while the culls are grown another season and sold as two-year-olds. Write for prices on large lots.

AGAWAM.—Berries are very large, bright red, with thick skin; very vigorous grower. Fruit of good quality. Each 15c, doz. \$1.00, per 100 \$4.50.

BRIGHTON.—Of the best quality. Bunch and berry large, of bright red color, and it is quite productive. Each 15c, doz. \$1.00, per 100 \$5.00.

CAMPBELL'S EARLY.—Strong grower with large, healthy foliage. Very productive; its keeping and shipping qualities are unequaled by any other early grape. Ripens with Moore's Early. Bunch and berry large, glossy black with blue bloom. Sweet and juicy; clusters are usually shouldered. Each 25c, per doz. \$2.50, per 100 \$15.00.

CONCORD.—The well known standard black variety. Succeeds well everywhere. Each 10c, doz. \$1.00, per 100 \$4.00.

MOORE'S EARLY.—Bunch large, berry very large and round, vines exceedingly hardy. A very desirable early market black variety, exceedingly hardy. Very popular with Des Moines growers. Each 15c, doz. \$1.00. By exp., 100 \$5.00.

NIAGARA.—This is a leading white variety, very productive and hardy. Bunch and berries large green or white, changing to pale yellow when fully ripe; the skin thin and tough. Quality extra fine. Each 15c, doz. \$1.20, per 100 \$5.00.

WORDEN.—A large grape of the Concord type, much earlier, larger and of better quality; hardy and more productive. Each 15c, doz. \$1.25, per 100 \$5.00.

THE KING.—A grand new variety. Originated in Michigan and has been very highly recommended by

the Michigan State Horticultural Society. Not only is the individual grape of mammoth size, sometimes three inches in circumference, but the bunch is also very large, compact and presents an exceptionally fine appearance on the market. A splendid shipping sort and one of the best keepers we have ever seen. Strong, well grown vines 50c each, \$4.50 per dozen.

WOODRUFF.—Of ironclad hardiness, a rank grower and very healthy. Fruit large and very attractive. Usually shouldered. Sweet and of fair quality. Ripens soon after the Concord and stands at head of the list of red sorts for a market variety. Each 25c, doz. \$2.50, per 100 \$8.00.

WYOMING RED.—Claimed to be as choice in quality as the Delaware. Fruit is larger and brighter red than that sort. A fine variety. Each 20c, doz. \$1.50, 100 \$6.00

CURRENTS

POMONA.—The most productive and vigorous red currants ever introduced; ripens early, but remains on the bush longer than any other; remarkably fine quality. Each 15c, doz. \$1.00.

FAY'S PROLIFIC.—One of the most prolific, of excellent quality. We heartily recommend it. Each 15c, doz. \$1.00.

WHITE GRAPE.—A standard variety. The fruits are light colored, mild and fine flavored. Each 15c, doz. \$1.00.

POMONA CURRANT

RASPBERRIES

Our varieties are all tip grown plants. We do not sell sucker plants, nor varieties which propagate from suckers.

NEW CARDINAL.—This wonderful berry surprises all by its great growth, extreme hardiness, exceeding productiveness and the unusual richness of its pure flavored, large purple berries. Leading horticulturists everywhere have pronounced it one of the fruit wonders of the century and the most profitable of all sorts. Dozen 75c, 100 \$3.00.

CUMBERLAND.—One of the best of blackcap variety. It is of very large size, good quality, firm and handsome, and an excellent shipper. Plants vigorous and hardy, productive, free from disease. Doz. 75c, 100 \$2.50.

KANSAS.—Ripens about one week earlier than Gregg. Fruit large and firm. Valuable as a home or market variety. Doz. 75c, per 100 \$2.50.

GREGG.—Hardy and excellent. Has been the leading blackcap variety for many years. Doz. 50c, per 100 \$2.50.

COLUMBIA.—This is a leading purple-red variety. Fruit is rich and sprightly in flavor, and is superior for canning, jam or preserving. Grows very large, strong and vigorous and yields immensely. Doz. 50c, per 100 \$2.50.



MOORE'S EARLY

GOOSEBERRIES

CHAMPION.—A new variety originating in Minnesota. Hardy, free from mildew, very productive, large size, and recommended by our growers as the best variety listed. Each 20, doz. \$2.00.

JOSELYN.—Of superior merit. Very large, hardy, productive and free from mildew. Regarded as the best of recent introduction. Each 20c, per doz. \$2.00.

PEARL.—One of the most prolific; very hardy, entirely free from mildew. Superior in size and productiveness to Downing. Each 20c, doz. \$2.00.

INDUSTRY.—The best English sort yet introduced in this country. Berries of immense size, 1 to 2 inches long. Each 25c, doz. \$2.50.

HOUGHTON.—Pale red, good quality, productive. Each 20c, doz. \$1.50.

DOWNING.—Large, pale green. Ea. 20c, doz. \$1.50.

BLACKBERRIES

ERIE.—One of the very best sorts. Shape as shown in illustration. Is very productive. Fruit large and of fine quality. Makes a very attractive appearance on the market. Doz. 50c, 100 \$2.50.

ANCIENT BRITON.—This is regarded as one of the hardiest blackberries and especially adapted to Iowa, Wisconsin and Minnesota. Doz. 50c, 100 \$3.00.

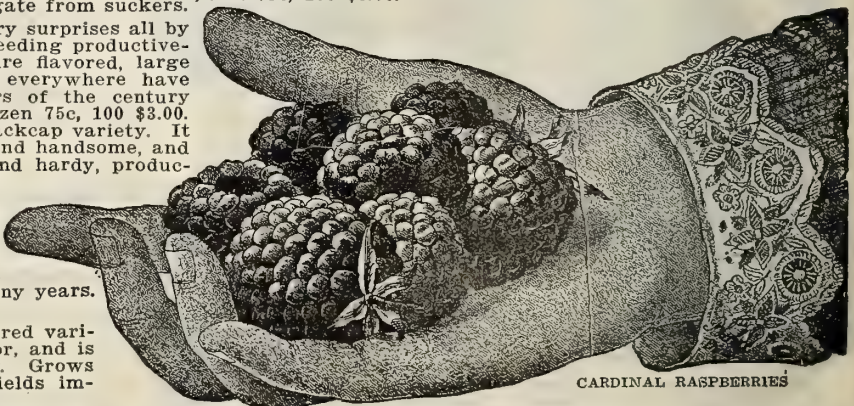
SNYDER.—Extremely hardy and very productive. The standard sort for the west. Doz. 50c, 100 \$2.50.



ERIE BLACKBERRY

DEWBERRIES

LUCRETIA.—The best dewberry for this section. Berries much larger and better quality than blackberries. Each 15c, doz. 75c, 100 \$3.00.



CARDINAL RASPBERRIES

STRAWBERRIES

Quick service is necessary in handling strawberry plants, and special packing is required. For these reasons we ship all strawberry plants entirely by themselves. Perfect flowered varieties are marked (s); the imperfect marked (p), must have perfect flowered sorts planted with them or they will not fruit. Ask for price by the thousand.

AROMA (s).—The best and most profitable late berry. It is very prolific and of most excellent color and quality. Plants strong, vigorous and free from disease. Fruits very large, roundish, conical, glossy bright red. Per 100 \$1.25, postpaid. By express, per 100 \$1.00.

BEDERWOOD (s).—This is one of the best known varieties for planting with the Warfield or Crescent, as it produces a large amount of pollen. It is of excellent color and a good shipper. Ripens early. Per dozen 30c, per 100 \$1.00, postpaid. By express, per 100 75c.

BISMARCK (s).—This resembles Bubach, of which it is a seedling, but is not quite so large, but much better in shape, color and quality. It is very productive and ripens late in the season. Per doz. 30c, per 100 \$1.25, postpaid. By express, per 100 \$1.00.

BRANDYWINE (s).—Large berry, vigorous, strong grower and makes a large, heavy plant. It is fine for market, being large, firm and of a handsome red color. The blooms are perfect, making it a good fertilizer for other varieties. Per doz. 40c, per 100 \$1.25, postpaid. By express, 100 \$1.00.

BUBACH (p).—Its large, uniform size, fine form and color, unsurpassed productiveness and great vigor combine to make it a leading sort. Rather late in maturing. Per doz. 30c, per 100 \$1.25. By exp., 100 \$1.00.

CLYDE (s).—One of the most popular varieties in the west. It is of vigorous growth and very productive. The berries are of a deep scarlet in color and moderately firm. Decidedly the best early sort. Per doz. 30c, per 100 \$1.25, postpaid. By exp., 100 \$1.00.

CRESCENT (p).—One of the old standard varieties, which will produce a large crop where other varieties would fail, as it will stand an unusual amount of neglect. The berry is of medium size and good quality. Per doz. 25c, per 100 \$1.00, postpaid. By exp., per 100 75c.

NEW HOME.—On our trial grounds this has proven to be the best of all varieties for home growing. It is of large size, handsome shape, as shown in our illustration, of bright red color, which does not lose its luster or turn dark after being picked a long time. Per doz. 30c, per 100 \$2.00, postpaid. By express, 100 for \$1.50.

NICK OHMER (s).—Very large in size, uniform in shape, dark, glossy red, firm and excellent flavor. Season rather late. Per doz. 40c, per 100 \$1.50, postpaid. By express, per 100 \$1.25.

PARKER EARLE (s).—One of the most vigorous and best sorts for family garden. Per doz. 50c, per 100 \$1.75, postpaid. By express, per 100 \$1.50.

SAMPLE (p).—Of large size, fine shape, good quality. Claimed to produce 16,000 quarts per acre. The season for ripening is long, and it holds its size well to the last picking; also does well in matted rows. Per doz. 40c, per 100 \$1.75, postpaid. By express, per 100 \$1.50.

SEAFORD (p).—Of extraordinary merit. Begins ripening early and continues late. A most excellent variety for home use. It is a deep, glossy crimson, of excellent quality. The plant is an exceptionally vigorous grower. Per doz. 40c, per 100 \$1.25, postpaid. By express, per 100 \$1.00.

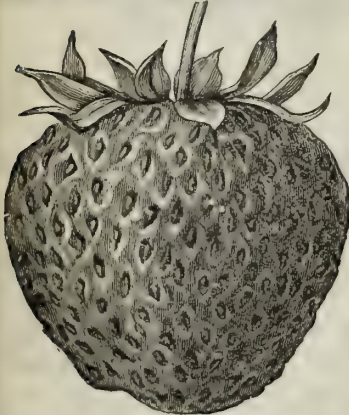
SENATOR DUNLAP (s).—A medium sized variety; very hardy, productive, a vigorous grower. Remains in bearing until quite late. It is unsurpassed in quality; claimed to be the best all around variety. Doz. 40c, 100 \$1.25, postpaid. By express, per 100 \$1.00.

WARFIELD (p).—This is one of the best known market berries, of medium size and excellent quality and a good shipper. It is one of the best early sorts and maintains its size well throughout the season. Per doz. 25c, per 100 \$1.00, postpaid. By express, per 100 75c.

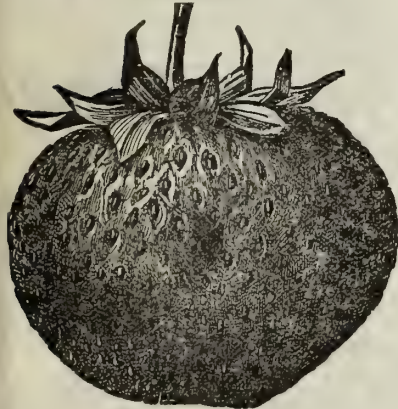
WM. BELT (s).—Plant large and a thrifty grower. Berry large, of brilliant glossy red color and best quality. Per doz. 40c, per 100 \$1.60, postpaid. By express, per 100 \$1.40.



NEW HOME



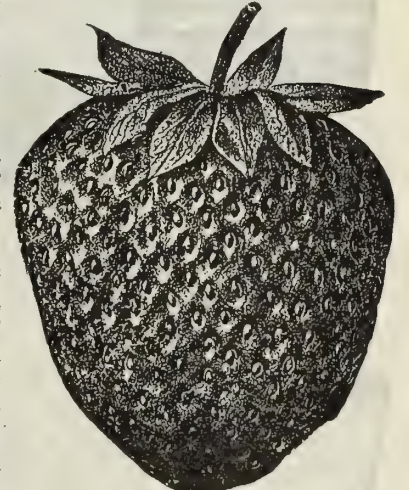
SENATOR DUNLAP



BUBACH



CLYDE



BRANDYWINE



NICK OHMER

STRAWBERRY COLLECTION

25 Bederwood (extra early), 25 Senator Dunlap (medium early), 25 Warfield (medium early), 25 Bubach (rather late). Four varieties suitable to grow together and give a succession of fruit through the season. 100 plants in all (just enough for a home bed). Postpaid for \$1.00.

Certificate No. 4.

State of Iowa.

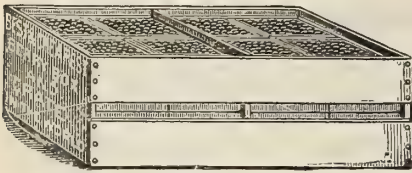
CERTIFICATE OF NURSERY INSPECTION

Office of State Entomologist, Ames, Iowa.

This is to Certify, That in accordance with Chapter 53 of the Acts of the Twenty-seventh General Assembly, as amended by the Thirty-first General Assembly, the nursery stock for sale by the **Iowa Seed Company, of Des Moines, Iowa**, has been inspected by a duly authorized inspector and has been found apparently free from dangerously injurious insect and plant diseases. This Certificate is invalid after July 1, 1913.

H. E. SUMMERS, State Entomologist.

A STRAWBERRY BED MUST BE RENEWED EVERY TWO OR THREE YEARS OR YOU GET NO FRUIT



in this department go by freight or express at customer's expense for carriage. Correspondence promptly answered. **Terms Cash With Order.**—The profit is so small on these goods that we cannot afford to make C. O. D. shipments. To meet the requirements of the Iowa Food Law, we offer dry measure berry boxes and crates to hold them.

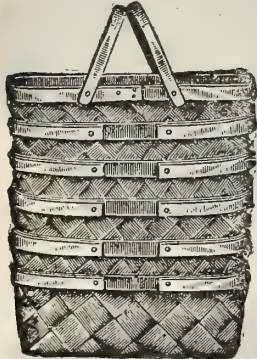
BERRY BOXES.—Made of the best white wood (poplar), heart stock, cut smoothly, and perfect shape, size $4\frac{3}{4} \times 4\frac{3}{4} \times 4\frac{1}{2}$, to hold a dry measure quart. The bottom is set up for ventilation. Usually put up in bundles of 500 boxes complete for shipment and all ready for putting together, which can be done very rapidly. 500 at the 1,000 rate; broken bundles at the 100 rate. Price per 100 40c; 1,000 \$3.25; 3,000 or more at \$3.15; 10,000 or more at \$3.00.

ANNEALED TACKS.—Made of the very best Swedes iron and of proper length so that they go through either two or three thicknesses of the material and clinch to hold securely. A pound will make 1,000 boxes. Lb. 30c; 4 lbs. \$1.00.

CRATES.—Made of thoroughly seasoned stock, well ventilated at sides and bottom, but with a tight cover to protect from dust. We always ship in the flat or "knock down." They make a neat, strong and cheap package holding 16 to 24 quart boxes. Price: 16-qt. crates per 10 \$1.00, per 100 \$8.50; 24-qt. crates per 10 \$1.20, per 100 \$10.00.

CRATE NAILS.—Far superior to common nails, as they hold much better. Twelve pounds (makes 100 crates) \$1.00.

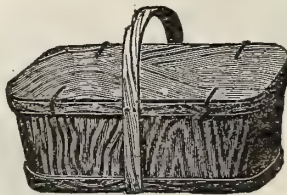
DIAMOND MARKET BASKET.—As will be noticed, we are now having these baskets made with two handles which close down over the edge of the basket. The baskets nested in this way can be shipped at about half the cost of the old-style, over-handle baskets, and they are also quite convenient for shipping the fruit in. They are used quite largely for marketing grapes, plums, cherries, etc., as well as for some kinds of vegetables. Per doz. 55c; 10 doz. \$5.00.



CLIMAX GRAPE BASKET.

—The best package for shipping grapes, cherries, plums, etc. It is the standard 7-lb. size, making a strong but light package. Baskets are made of the best material. They are nested for shipment with the covers and bent handles in separate packages. Price for 10 50c; 25 90c; 100 for \$3.50; 1,000 for \$32.50.

SMALL CLIMAX GRAPE BASKET.—For fancy grapes, etc. Holds about 4 lbs. 50c for 10; 90c for 25; \$3.50 per 100.



HALF BUSHEL BASKET.—The best all-around basket for farmers, fruit growers and grocers that we know of. Strong and well made, smooth inside, so that it does not bruise or scratch the fruit, particularly adapted to picking fruit and vegetables. The swinging bale makes it easily handled. Price 20c each; \$2.00 per dozen.

NO. 1—ONE-BUSHEL BASKET.—The ideal basket for general use. Standard elm staves with elm hoops and handles; also inside and outside bottom hoops. Each 20c; doz. \$2.00.

IRON MEASURES.—Made of heavy galvanized iron with side handles. Peck size each 40c; $\frac{1}{2}$ bushel each 50c; 1 bushel each 70c.

WOOD MEASURES.—Iron bound, to make them stronger. Half peck each 25c; peck each 35c.



FRUIT PACKAGES

Being the oldest as well as the largest dealer in berry boxes and other fruit packages in the west, we are prepared to furnish you the best stock made, at low prices. We handle a great many carloads each year, and from our long experience of more than a quarter of a century we are enabled to select superior stock and give instructions for cutting so that it will suit our trade. It pays to have bright, smoothly cut stock which will make the fruit look nicer and sell better. Prices named here are subject to change during season. All goods

FOLDING ONE-BUSHEL CRATE.—Light, strong and durable. Slats are all run with round corners so that contents are not bruised or cut. Size 11 $\frac{1}{2}$ in. in width, 20 $\frac{1}{2}$ in. long, 13 $\frac{1}{2}$ in. high outside. No. 1 each 30c; per dozen \$3.00.



WIRE STAPLING MACHINE.—Standard—For making berry boxes. The latest improved, operated by foot power, and can be easily operated by anyone. Makes boxes very rapidly. Made in two sizes and can be shipped direct from the factory in Michigan at the following low prices: No. 1 (standard size) each \$25.00; No. 2 (somewhat smaller) each \$23.00.

STAPLING WIRE.—To use with the above machine for making boxes. Per pound 15c; per coil of 12 pounds \$1.00; 5 coils or more at 85c.

MAGNETIC TACK HAMMER.—Picks up the tacks and saves much of the labor. Each 15c.

NURSERYMEN'S SUPPLIES

GRAFTING WAX.—A special preparation for application where trees have been pruned; for preventing the loss of sap where wounds are made in the bark or from broken limbs, and for holding grafts together while the parts are growing together. Price, $\frac{1}{2}$ lb. package 15c; postpaid 25c.

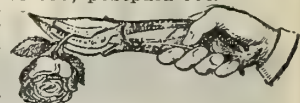
TREE PRUNER.—Strong wooden handles 24 inches long, knife 3 inches long. Has cutting knife 2 inches long. Powerful and effective. The best pruner for low-headed trees or where branches are within reach. Each \$1.50.

WATER'S TREE PRUNER.—The standard make; with 6-foot pole 85c; 8-foot pole \$1.00; 10-foot pole \$1.20.

IMPROVED HAND PRUNING SHEARS.—The best hand shears on the market. Made specially for pruning berry or rose bushes, grape vines, etc. Made of best steel, 8 inches long, spiral spring. Price 75c; postpaid 90c.

CONNECTICUT PRUNING

SHEARS.—A good tool for most work. Steel blades, flat spring, and malleable handles. Price 50c; postpaid 65c.



KELLEY'S PATENT PRUNING SHEAR.—A pruning shear which cuts the twig and holds it. A splendid shear for cutting thorny plants, roses or flowers of any kind. Excellent for picking grapes. Each 75 cents.

WILKINSON'S HEDGE SHEARS.—The best hedge trimmer that we know of. Prices, 10-inch blade \$3.00; 12-inch blade \$4.00 per pair.

TREE PROTECTORS.—Made of veneer like berry boxes, dipped in creosote to drive away vermin and make them impervious to weather. Used by simply bending around the tree. Effective against rabbits, ground squirrels, mice and vermin. Per 100 \$1.00; 1,000 for \$7.50.

TREE LABELS.—3 $\frac{1}{2}$ -inch, plain, copper wire. Per 100 25c; per 1,000 \$1.25. Not wired, per 100 20c; per 1,000 \$1.00.

POT LABELS.—Painted wood labels, 4-in. per 100 30c, per 1,000 \$1.25; 6-in. per 100 25c, 1000 \$1.75; 10-in. per 100 50c, per 1,000 \$4.00.

CANE PLANT STAKES.—Per 100 \$1.25.

SPHAGNUM MOSS.—For packing plants and soft nursery stock. Write for price in quantity. Large bale \$2.50.

RAFFIA FOR BASKET WORK

Making Indian Baskets is now attracting a great deal of attention, and the work is taught in public schools, art classes, etc. It is a very interesting and fascinating pastime, is easily learned and many ornamental pieces are made. We furnish the materials in large quantities to schools, as well as to private parties. Our stock is unsurpassed.

NATURAL RAFFIA.—Bunch (about 3 oz.) 10c; lb. 25c; 5 lbs. \$1.00. **COLORS RAFFIA.**—In many handsome colors, such as light and dark red, pink, three shades of green, light and navy blue, light and dark brown, orange, yellow, black, purple, etc. Bunch (about 2 oz.) 10c; lb. 75c. Mixed colors same price. Bleached white, bunch 15c, lb. \$1.25.

REEDS.—(Rattan.)—Any size, 10c per bunch. No. 1 \$1.50 per lb.; No. 2 \$1.25; No. 3 \$1.00; No. 4 85c; No. 5 75c; No. 6 60c.

Postage.—If to be sent by mail, add 3c per bunch; 16c per lb. for postage on the above Raffia and Reeds.

RAFFIA NEEDLES.—12c per package, postpaid.

HOW TO DO IT.—Book on Raffia weaving and basket making; 25c.

SPRAYERS



DAISY SPRAYING PUMP

Each year proves the importance of spraying fruit trees and plants in order to destroy the insects and secure a good crop of fruit. The largest and most successful fruit growers are the most enthusiastic on spraying. It will pay you to invest in spraying apparatus if you have only one fruit tree. The spraying of apple and plum trees is especially recommended. A circular giving full information mailed free on request. All spray pumps are sent by freight or express, not prepaid, except where noted.

DAISY SPRAYING PUMP.—This popular little sprayer is shown by our illustration. We sell hundreds of these pumps which are used for spraying insecticides and whitewash in the poultry house, also for spraying fruit trees and plants. Can be changed so as to throw a solid stream of water 20 to 30 feet high and used for washing windows, buggies, etc. Price only \$1.00.

BRANDT COMPRESSED AIR SPRAYER.—Comparison has led us to offer this as the best compressed air sprayer. With simple plunger action after the manner of the Faultless sprayer it gives continuous uniform pressure, which can be shut off or released by means of small finger lever at the nozzle end. It is especially recommended for garden work as we can furnish extra nozzle attachment by which two rows may be sprayed at once. Price regular



BRANDT COMPRESSED AIR SPRAYER

made of galvanized iron, each \$5.00. All-brass sprayer, will not rust, each \$6.75. Double nozzle attachment \$1.00.

FAULTLESS INSECT SPRAYER.—An all brass hand sprayer. Will not rust. The best hand sprayer for applying liquids and insecticides to poultry houses and live stock. Also valuable for spraying grapevines, small trees and shrubbery. Made of heavy brass and very durable. Price by exp., not prepaid, \$1. Same, made of tin, 50c.

CONTINUOUS FAULTLESS SPRAYER.—Made like the old standard Faultless Sprayer which has for years been the most popular of this type. Made in such a way that the action of the plunger forces a continuous fine mist spray and the drawing back of the plunger does not stop the flow as it does in the old style sprayer. All-brass \$1.25; tin 75c.

FAULTLESS SPRAYER

INSECTICIDES

We cannot send liquids or poisons through the mails, so that all insecticides go by express or freight, not prepaid, unless postage quoted extra.

PARIS GREEN.—For liquid spraying. Use one pound of Paris green to 100 or 200 gallons of water, according to strength desired. It will be found generally strong enough if one-half pound is stirred in a barrel (50-gallon) of water, and allowed to stand twenty-four hours before using. Care must be taken in using all poisonous liquids that animals are not allowed to get at them. In using Paris green in powder form use one pound of Paris green and 20 to 50 lbs. of flour; mix thoroughly and apply evenly, preferably when the dew is on the plants. Price, ¼ lb. 10c, lb. 35c, 5 lbs. \$1.50.

ARSENATE OF LEAD.—Our stock of this is strictly fresh, from one of the best factories in the country, and will be found the best spraying preparation in the entire list for the destruction of insect pests. Use 3 lbs. to 50 gallons of water, or if preferred, use 50 gallons of Bordeaux mixture instead of water for dilution. Price arsenate of lead, 1-lb. can 25c, 5-lb. can, \$1.00, 25-lb keg \$4.

BORDEAUX MIXTURE.—Bordeaux Mixture is the standard spraying preparation and this is in form of a condensed liquid. You simply add water in proportion of 25 to 1 and it is ready for use. Per lb. 25c, 5 lbs. 80c.

LIME-SULPHUR SOLUTION.—A liquid preparation to be used for general spraying as it is both an insecticide and a remedy for disease. Use with Bordeaux for winter spraying; with Arsenate of Lead for first spring application, and alone for summer spray. (Two pounds of Bordeaux or Arsenate of lead and one gallon of Lime-Sulphur to fifty gallons of water.) Per qt. 30c, half gallon 50c, gallon 80c.

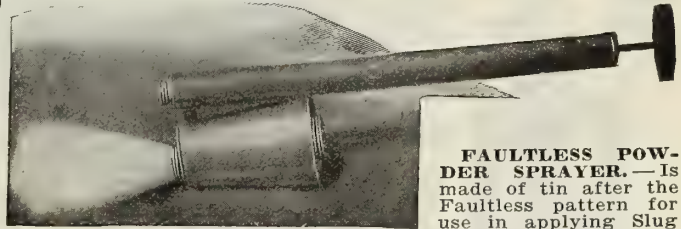
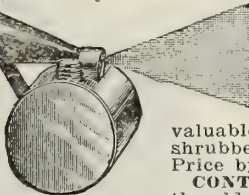
CROW BRAND INSECT POWDER.—Best grade. Fresh and nice. It does not pay to use cheap, ordinary grades. Splendid for home use to kill cockroaches ants and flies. ¼ lb. 15c, lb. 50c, 5 lbs. or more at 40c; postage 16c per pound extra.

HELLEBORE.—May be used by dusting it over plants either pure or mixed with flour or plaster. If to be used pure, you should exercise care and not dust it on too freely. If to be used as a liquid spray, dissolve one ounce of hellebore in three gallons of water. Price, ¼-lb. pkg. 1-lb. 1-lb. pkg. 30c, 5 lbs. \$1.25.

TOBACCO DUST.—Destroys rose bugs, lice, cut worms, vine bugs, tomato worms, cabbage lice and parasites of all descriptions. Should be applied when the foliage is wet. Also a most complete fertilizer for plants and vines. Will not burn or injure the plants. Price lb. 10c, 5 lbs. for 25c; 16c per lb. extra if by mail.

HAMMOND'S SLUG SHOT.—A combination of the most potent insecticides and soluble plant food. It destroys all insects injurious to house and garden plants, shrubs, trees, vines, potatoes, melons, cabbage, currants, vegetables and fruits of all kinds. This preparation, though poisonous to insects, does not injure the foliage in the least. When you order your seeds, if you have not tried Hammond's Slug Shot, order a five or ten pound package. Not prepaid, 5 lbs. 35c, 10 lbs. 65c, 100 lbs. for \$5.50. Postpaid, 1 lb. 35c, 4 lbs. \$1.25.

NICO-FUME.—A condensed preparation of tobacco which is almost pure nicotine. The best spraying and fumigating preparation for greenhouse use, since it does not injure the plants or blooms and kills aphids, red spider and mealy bugs. For spraying use one ounce in ten to fifteen gallons of water, and it will be even better if a pound of whale oil soap is added to the liquid. Price 4-oz. can 75c, pint \$2.00, one-half gallon \$7.00.



FAULTLESS POWDER SPRAYER

FAULTLESS POWDER SPRAYER.—Is made of tin after the Faultless pattern for use in applying Slug Shot, lime, Paris green

mixture or any powder form of insecticides. Light and easily handled. Does the work perfectly and is cheap and effective. By express, not prepaid, each 60c.

LIGHTNING SPRAYING PUMP NO. 28.—A low-priced serviceable bucket spraying pump that will give satisfactory results. It is made of heavy galvanized iron, with brass tops and valves, furnished with nozzle for throwing either stream or spray. Each \$1.90.

THE LITTLE GIANT BUCKET SPRAY PUMP.—Constructed entirely of brass and is provided with a large air chamber and has ball valves, and the pressure is held uniformly so the nozzle throws a continuous spray. Will throw a solid stream 50 to 60 feet; fitted with hose and imperial combination and fine and coarse spray and solid stream nozzle and malleable foot rest. Price \$3.00; with 8-foot pipe extension \$3.50.

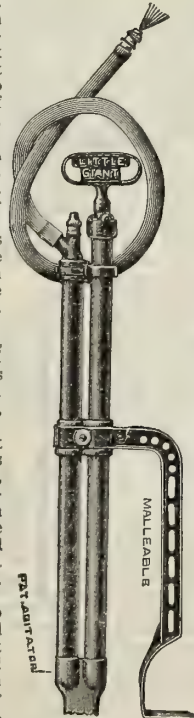
LEVER BUCKET OR BARREL SPRAY PUMP.—Similar to the Little Giant but is larger and has lever handle and can be attached to bucket or barrel. You can spray 50 trees in half a day and do it thoroughly. The action of the plunger keeps the liquid thoroughly mixed by agitation. Made entirely of brass and will not rust. Price each \$4.75. Eight-foot extension pipe (for use among large trees) each 50c.

MYER'S BARREL SPRAY PUMP.—For large orchards. The cylinder, valves, valve seat and discharge are all brass. Furnished complete with five feet of discharge hose. Price \$9.00; 8-foot extension pipe 50c extra.

BELLOWS.—Used for applying Slug Shot or any kind of insect powder. It is thoroughly well made and works well. Length 23 inches. Holds 6 ounces of powder. Price \$1.50. Large size \$2.00.

DUSTERS.—Buckets with perforated bottom, used for applying slug shot. Each 40c.

STAR INSECT POWDER GUN.—Handy size for house use to blow powder in cracks and crevices. Largely used for killing houseflies. Each 10c, postpaid, 13c.



LITTLE GIANT PUMP

IF YOU WANT SUCCESS WITH FRUITS OR FLOWERS YOU MUST USE A SPRAYER TO DESTROY INSECTS

WINDOW GARDEN SUPPLIES

All goods in this department are sent by express or freight, customer paying charges, unless otherwise noted.

WIRE PLANT STANDS.—We carry a larger stock than any firm in the west, and in place of common iron frames we have them manufactured with steel frames, and they are far stronger, handsomer and lighter than any yet offered. They are well braced in every direction, with good strong casters, and will easily support all the plants that can be placed on the shelves. Nicely finished with green paint and gold bronze. Will last twenty years with proper usage. Weight only 15 to 40 pounds each. Notice reduced prices.

NO. 3.—Similar in style to No. 10, but much larger. Height of stand and arch about 6 feet, width 4 feet, depth 31 inches. Has four legs. List price \$8.00. Our net price only \$6.50.

NO. 4.—Like above, but without arch or hanging basket. List, \$6.50; net, \$5.00.

NO. 6.—One of our most popular styles, quite ornamental, and for a few plants one of the most desirable. A vining plant at each end of shelf and trained over arch adds to its beauty. Height 6 ft., shelves 36 in. long. List \$5.50; our price \$4.50.

NO. 7.—Exactly like No. 6, except that it has no arch or basket. List price \$4.00; our price \$3.40.

NO. 8.—Holds a large number of plants and all get equal light. Size 42 inches high, 26 inches deep; has three shelves each 36 inches long; will hold about 30 pots. List price \$6.50; our price only \$5.00.

NO. 9.—Same as No. 8, arch and basket added. List \$8.00; our price \$6.50.

NO. 10.—A very popular stand, well shown by the engraving, but the arch is Gothic pattern, same shape as No. 3. Holds 20 to 30 plants. Height 5 ft. 10 in.; width 40 in., and 26 in. deep. We sell more of these than any other pattern and are thus enabled to make a specially low price. List price \$7.00; our price, including arch and hanging basket, only \$5.00.

NO. 11.—Same as above, without arch or basket. List \$5.50; our price \$4.25.

WIRE WINDOW SHELF.—These can be fastened to window frames, either inside or outside. They are strong and attractive, 36 in. long, about 7 in. wide. The border is not as high as shown in the engraving. Can be shipped by freight or express only. Price, \$1.00 each.

WIRE BRACKET.—This new pattern is a very cheap, handsome bracket, made of tinned wire. Is easily put up, adjustable, can be instantly removed; is simple, practical and durable. Price, 4-in. 10c each, \$1.00 doz.; 5-in. 12c each, \$1.25 doz.; 6-in. 15c each, \$1.50 doz. Postage, each 8c extra.

SULPHO-TOBACCO SOAP.—For a cheap, effective, clean and harmless insecticide for amateur and professional growers, this is unexcelled. Quickly exterminates all insect life on plants and flowers in and out of doors. Unsurpassed for rose bushes. For domestic purposes, it rids the house of cockroaches, and is a superior wash for dogs and all animals. Prevents poultry lice. Three-ounce cake, sufficient for 1½ gals. solution, by mail, postpaid, 13c. Eight-ounce cake, sufficient for 4 gals. solution, by mail, postpaid, 28c. Six cakes, not postpaid, only \$1.00.

FISH OIL SOAP.—(Usually called Whale Oil Soap.)—An excellent preparation for plants infested by vermin. Also used against fungus diseases and will keep trunks of trees free from borers or other bark destroyers. Lb. 40c, postpaid.

FLOWER POTS.—The following prices per dozen are for the pots and saucers; 4-inch 60c, 5-inch 75c; 6-inch \$1.00; 7-inch \$1.50, 8-inch \$2.40, 9-inch \$3.00. We make no charge for packing or delivering at the depot here. Orders for these must amount to at least \$1.00. Many styles of handsome pots, jardinières, vases and hanging baskets at extremely low prices. A nice plant is deserving of one.

PAPER FLOWER POTS.—Made of heavy waterproof paper. Fine for growing vegetable plants, pansies, asters, etc. By using these you do not have to disturb the roots of plants when setting out in the open. 2½-inch, per dozen 10c, 100 45c; 3-inch, per dozen 15c, 100 65c; 4-inch, per dozen 20c, 100 \$1.00. Postage 10c per dozen extra.

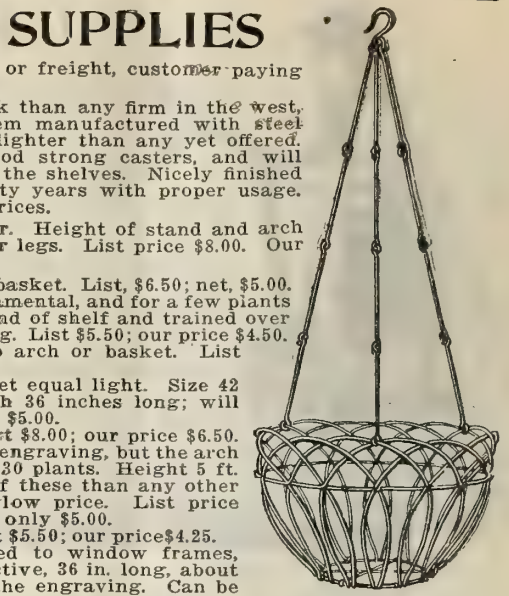
PLANT TUB.—Strong, well made, wooden tubs for large plants. Afford a permanent place for plants too large for ordinary earthen pots and are much more cleanly and easy to handle. 12-inch, each \$1.25; 15-inch, each \$1.75; 18-inch, each \$2.25; 21-inch, each \$2.75.

TYRIAN PLANT SPRINKLER.—Fine for house plants. You can, without injuring the plants or soaking the earth, quickly and very effectively sprinkle them. Will keep foliage fresh and healthy and free from insects of all kinds. The bent neck enables you to spray from the under sides of the leaves, which are hiding places for insects. It holds about one-half pint. Each 75c, postpaid.

SCOLLAY SPRINKLERS.—Made of pliable rubber with hard rubber cap. Large size holds about one pt., small size about one-third pt. Indispensable for floral work. Excellent for washing the foliage of house plants, and used for sprinkling clothes. Large, each \$1.10, small, 65c, postpaid.

BOWKER'S FOOD FOR FLOWERS.—A fertilizer made especially for plants; clean, free from offensive odor and soluble in water, producing healthy plants and abundant blossoms to which it imparts a brilliant color. Box sufficient for twenty plants one year, 25c, postpaid 40c; small pkg. 15c, postpaid 25c.

WALKER'S EXCELSIOR PLANT FOOD.—A concentrated fertilizer. Use by dissolving in water and apply it in liquid form. Put up in tin to prevent loss of strength. ½ lb. pkg. 30c, postpaid, 1 lb. (will make 20 gallons of liquid) 50c, postpaid, 5 lbs., by express, not prepaid, for \$1.50.



WIRE HANGING BASKET



No. 10



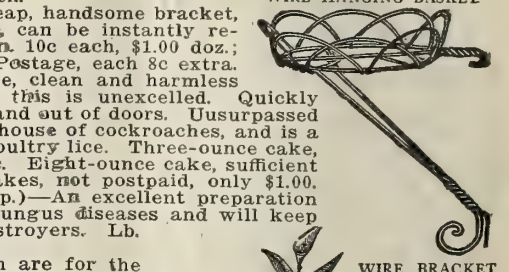
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No. 3



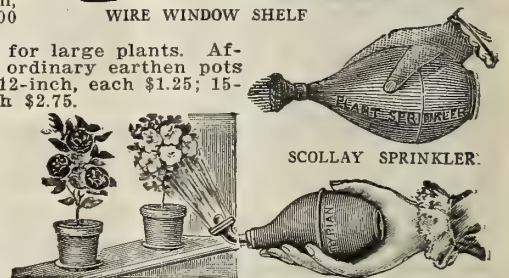
No. 8



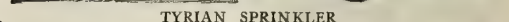
WIRE WINDOW SHELF



WIRE BRACKET



SCOLLAY SPRINKLER



TYRIAN SPRINKLER

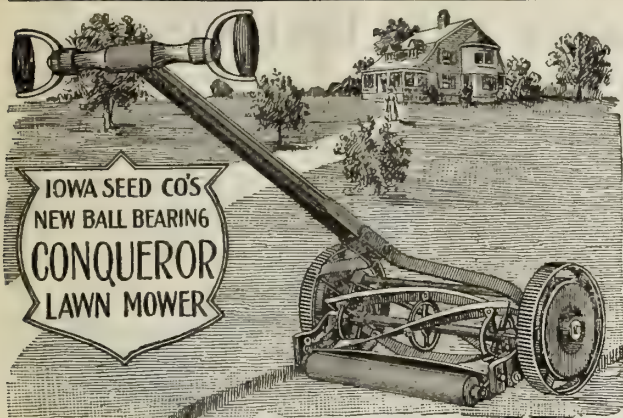
STERLINGWORTH PLANT TABLETS.—A highly concentrated food for plants, put up in small tablets to be dissolved in water and used as needed. No. 1 pkg. (30 tablets) each 10c; No. 2 pkg. (100 tablets) each 25c; No. 3 pkg. (250 tablets) each 50c; all postpaid at prices named.

WIRE HANGING BASKETS.—Are made of wire; lined with

moss and filled with dirt they are very attractive. Light, strong and durable. By express, not prepaid, each, 8-inch 20c, 10-inch 30c, 12-inch 40c, 15-inch 50c.

HANGING BASKET CHAINS.—Plain three-strand steel chains each 10c, by mail 18c.





IOWA SEED CO'S
NEW BALL BEARING
CONQUEROR
LAWN MOWER

RUBBER HOSE.—Few realize the great difference there is in the quality of rubber hose. The price ranges from \$2.00 to \$12.00 per 50-foot length. The low grades will not stand ordinary water pressure and are gone in a few days. The most expensive grades are intended only for steam. For general use the grades which we offer this year are, we believe, superior to any other. We want to warn everyone not to leave their hose out in the sun when not in use, as the water left in it gets very warm and will rot the best of hose. **Bull Dog Brand** (7-ply), extra strong, 50-ft. coil, \$11.50. **Leader Brand** (4-ply), good grade, 50-ft. coil, \$7.50. **Competition Brand**, a cheap, serviceable grade, 50-ft. coil for \$6.00.

DUDE HOSE REEL.—It pays to use a reel as it keeps the hose in better shape and saves labor and annoyance. Price \$1.25.

BOSTON HOSE NOZZLE.—The handiest nozzle. By simply turning the front portion you can throw a spray or solid stream or turn off the water. Brass, each 50c.

PLUVIUS LAWN SPRINKLER.—Has three whirling arms that throw the streams to cover a radius of fifty feet. Each \$1.35.

CLIMAX LAWN WEEDER.—A very simple, easy working device for removing noxious weeds and plants from lawns. Easily operated and does effective work. Full length is 42 in., enabling the operator to stand erect. Push the chisel under the plant at an angle that will sever the roots. A slight pull on the trigger brings the grab down which securely holds the plant, lifting it out and leaving only a slight mark. Price each \$1.00.

No other article will assist so much in making a perfect lawn as a roller,



Iowa Clipper
Lawn Mower and
Grass Catcher

DUNHAM LAWN ROLLER.—Easy to handle as a lawn mower. Firms the sod and keeps lawn in fine condition. Will give you a perfect lawn if used frequently and makes mowing a pleasure.

No. 402.—Diameter 15 in., length 24 in.; made in 3 sections; wt. 200 lbs. Ea. \$12.50.

No. 404.—Diameter 20 in., length 20 in.; made in 2 sections; wt. 250 lbs. Ea. \$15.00.

No. 407.—Diameter 20 in., length 24 in.; made in 2 sections; weight 300 lbs. Each \$18.50.

No. 421.—Same as No. 407 but has tray on top where bricks or other articles may be placed to add weight. Each \$24.75.

No. 2424.—The Dunham Water Roller. Steel drum, 24 in. in diameter, 24 in. long. Hollow and can be filled with water or sand to add weight. Ball bearing and easy running. A splendid roller for lawn use. Each \$17.00.

SULPHATE OF IRON.—A chemical by-product of iron, used to destroy wild mustard and other weeds on the farm. Dissolve at the rate of 100 lbs. in 52 gallons of water (enough for one acre) and apply with fine mist sprayer. Will not injure grain or grass, but will kill the weeds. Fine for lawn spraying, as it destroys dandelion, dock and other weeds, but does not injure grass. Per 10 lb. pk. 40c; 25 lb. pkg. 75c; 100 lb. bag \$2.25.

LAWN FERTILIZERS

PEERLESS LAWN DRESSING.—(See page 63.)—Our own preparation from mineral and animal fertilizer, specially made for lawn use. Price, 10 lbs. 60c; 25 lbs. \$1; 100 lbs. \$3; 500 lbs. \$14.

PURE BONE MEAL.—(See page 63.)—Unadulterated, practically odorless and clean. A splendid fertilizer for general purposes. Use 50 lbs. per 1,000 sq. ft. for top dressing or plowing under. Price, 10 lb. pkg. 50c; 50 lbs. \$1.25; 100 lbs. \$2.25; 500 lbs. \$11.

PULVERIZED SHEEP MANURE.—(See page 63.)—A natural manure prepared in least offensive form and the best animal product for lawn or garden work. Use 50 lbs. per 1,000 square feet of surface for top dressing or plowing under. Price, 10 lb. pkg. 50c; 50 lbs. \$1.25; 100 lbs. \$2.25; 500 lbs. \$11.00.

LAWN SUPPLIES OF THE BEST QUALITY

NEW BALL BEARING CONQUEROR LAWN MOWER.—We can offer our customers by far the best mower on the market. The shaft is extra heavy, bearing four cutting knives, and it runs at a high speed compared to ordinary lawn mowers. This gives it a continuous cut, and makes a smoother, cleaner lawn. The wheels are nine inches in diameter with skeleton rims. It has parallel bearings provided with micrometer adjustment, so that practically it cannot wear out. Stationary knife is of the best cast steel, hardened, tempered and self-sharpening. In all respects it is designed for hard, continuous service, and still the ball bearings and all parts are so perfectly adjusted that it runs as easy as a bicycle. As will be noticed the handles are a new style made specially for us. If desired we can furnish mowers with ordinary handles at 50c less. Price for mower cutting 14-inch swath \$6.50; 16-inch \$7.00; 18-inch \$7.50.

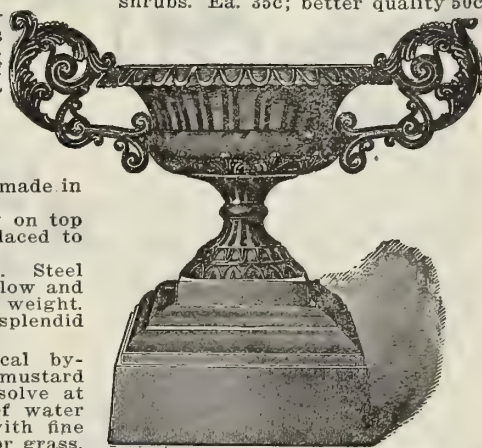
GRASS CATCHERS.—The most successful device yet brought out for the purpose. It is easily attached to the handle only; it does not interfere in any way with the action of the mower. Our illustration shows it adjusted ready for use. It can be almost instantly loosened at the lower end to dump the grass! No. 1, suitable for 12 to 16-inch ordinary lawn mowers, each 75c. No. 20, for large mowers, size 16 to 20-inch, each \$1.00.

IOWA CLIPPER LAWN MOWER.—For many years we have sold a great many of these and they gave splendid satisfaction everywhere. It is thoroughly well made, runs easily, does excellent work, cutting smooth and clean. Diameter of drive wheels 8½ inches. Its cutting bar is of solid steel and all parts are of best quality, while its simplicity of construction insures durability and also lessens the cost. By purchasing a large number we are enabled to offer them at wonderfully low prices. Price for mower cutting 14-inch swath \$3.25; 16-inch \$3.75; 18-inch \$4.25.

EXCELSIOR HORSE LAWN MOWERS.—The best make, 30-inch cut \$80.00, 35-inch cut \$95.00, 40-inch \$120.00.

IMPROVED GRASS SHEARS.—An improvement on the ordinary grass or sheep shears. Has long blades and handle is curved to prevent rubbing nuckles on the ground when using. Each 50 cents.

GRASS HOOKS OR SICKLES.—Useful for trimming the edges of lawns next to fences, around trees, shrubs. Ea. 35c; better quality 50c.

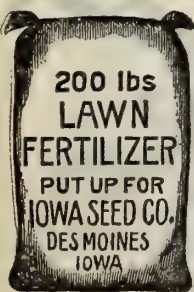


IRON RESERVOIR VASE

IRON RESERVOIR VASES.—(Home Pattern.)—Splendidly useful and ornamental for lawn or cemetery adornment. The reservoir holds water and the plants secure moisture by capillary attraction as needed.

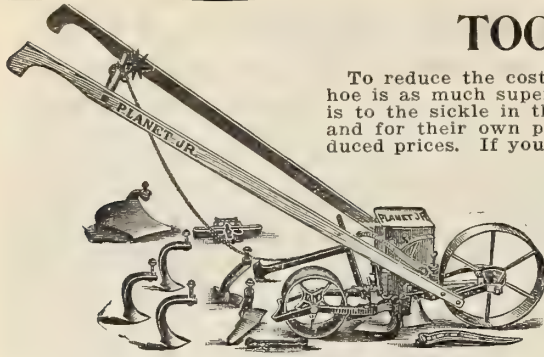
No. 7.—Similar to illustration. Diameter of vase 22 inches; height to top of handles 30½ inches; reservoir capacity 7½ gallons. Price each (painted white) \$12.00.

No. 1.—Same as No. 7 but is higher. Has pedestal 15 inches high between base and reservoir making total height of 45 inches to top of handles, other dimensions same as No. 7. Price each (painted white) \$19.



TOOLS AND IMPLEMENTS

To reduce the cost of gardening it is necessary to have the best tools. A good wheel hoe is as much superior to a common hoe for cultivating a garden as a mowing machine is to the sickle in the hay field. All of the following tools have been thoroughly tested and for their own particular class of work have given splendid satisfaction. Notice reduced prices. If you desire it we will send illustrated circular describing any of the tools in which you are interested.



PLANET JR. NO. 4 SEEDER AND CULTIVATOR

PLANET JR. NO. 4 COMBINED SEEDER AND CULTIVATOR.—This latest improved tool is giving good satisfaction. It combines in a single convenient implement, a first-class hill-dropping seeder, a perfect drill seeder, a single wheel hoe, a cultivator, and a plow. It holds two quarts and as a seeder it sows in continuous rows, or drops in hills 6, 9, 12, 18 or 36 inches apart. It is thrown out of gear by simply raising the handles. The Index is accurate, simple and easily set. The drill is detached and the tool frame substituted by removing but one bolt. It then becomes a single wheel hoe, garden plow or cultivator. With this one implement the ordinary farmer can do practically all the work in his small crops. Price \$10.50. Set three rakes, if desired, \$1.00 extra.

PLANET JR. NO. 4 PLAIN DRILL.—The drill part only of above machine. Price \$8.50.

PLANET JR. NO. 1 COMBINED DRILL AND CULTIVATOR.—This is a most popular sort. As a hoe it works safely to and from both sides of the row at once, or between rows. As a cultivator it is admirably adapted to deep mellowing of the soil. Each machine sent out with the tools shown in cut. Price \$9.00. Pair of rakes for same, 50 cents extra.

PLANET JR. NO. 3 SEED DRILL.—We regard this drill as the acme of perfection and most decidedly the best seed sower made. It will sow perfectly either in a continuous row or drop the seed in hills 4, 6, 8, 12 or 24 inches apart. It opens the furrows, drops in hills or drills, covers, rolls down and marks next row, all at one operation. Has force feed, sows equally well whether hopper is full or contains only paper of seed. Price \$10.00.

PLANET JR. NO. 25 COMBINED SEEDER AND CULTIVATOR.—A large drill and double wheel hoe, intended especially for market gardeners. Sows all kinds of garden seeds in hills or drills, and combines with it a double wheel hoe, cultivator and plow. Ask for descriptive circular. See illustration below. Price \$13.00.

PLANET JR. NO. 6, HILL AND DRILL SEEDER AND CULTIVATOR.—This is the latest Planet Jr. Combined Drill. It has a single wheel, 16½ inches high, making it easy to operate. It is either a hill or drill dropper, at the option of the user, and the seed drops in full view, as the rear of the spout in open and is white. Drops 4, 6, 8, 12 and 24 inches apart as desired. Cultivating attachments are 2 hoes, 3 cultivator teeth and a plow. Fully described in Planet Jr. Catalogue. Mailed free if you want it. Price complete \$13.00.

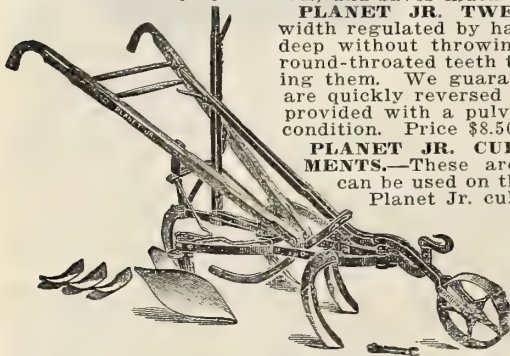


PLANET JR. NO. 14 DOUBLE-WHEEL DISC HOE



FARMERS' SINGLE-WHEEL HOE. Especially designed for the farmer's garden work. The wheel is high so that it runs easily. The attachments consist of a large plow steel, a 10-in. sweep, 6-in. sweep, 4-in. and 2-in. cultivator teeth. Price \$3.75.

PLANET JR. NO. 8 HORSE HOE.—Probably no other cultivating machine is so widely known as the "Planet Jr." Combined Horse Hoe and Cultivator. In use all over the civilized world and so well built as to stand incredible strain, yet light and easy to handle. The depth is under perfect control by a new lever wheel, making exact work, steadying machine and relieving operator. The reversible side hoes act as plows or hillers; works shallow and close, without injury to roots, and saves much hand labor. Price \$8.50.



NO. 8 HORSE HOE

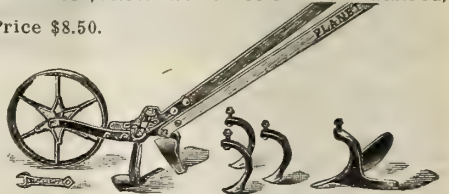


PLANET JR. NO. 6 HILL AND DRILL SEEDER

PLANET JR. TWELVE-TOOTH HARROW.—Depth and width regulated by hand levers while in motion. Cultivates deep without throwing earth upon plants, and its smooth, round-throated teeth turn strawberry runners without injuring them. We guarantee it to prevent clogging, and teeth are quickly reversed by changing a single bolt in each. Is provided with a pulverizer which leaves the ground in fine condition. Price \$8.50; or, without the pulverizer, \$7.25.

PLANET JR. CULTIVATING ATTACHMENTS.—These are interchangeable and can be used on the frames of any of the Planet Jr. cultivating tools whether combined drills or double wheel hoes. Cultivator teeth, not prepaid, at the following prices per pair:

Regular cultivator teeth.....	70c
Three-tooth rakes.....	70c
Five-tooth rakes.....	90c
Six-inch hoes.....	90c



NO. 17 SINGLE-WHEEL HOE

PLANET JR. NO. 16 SINGLE - WHEEL HOE.—The latest and best single - wheel hoe; has a very full set of tools, several of them being of new design, such as have been found to work in the very best manner. It has an 11-



PLANET JR. NO. 12 DOUBLE-WHEEL HOE

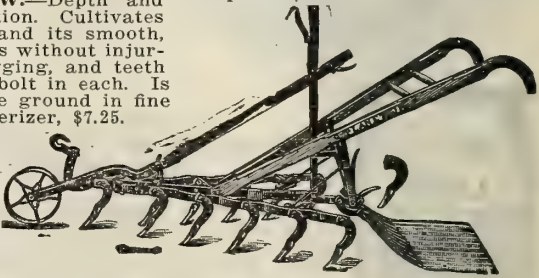
inch wheel, with broad face; is very light, strong and easy running. It has an adjustable handle and quick-change frame. The tools are a well-shaped plow, a pair of 6-inch shield hoes and 3 all-steel patent cultivator teeth; set of 2 rakes and a practical leaf guard. Price \$5.35.

PLANET JR. NO. 17 SINGLE-WHEEL HOE.—Has one pair of hoes, three cultivator teeth and a plow. This is just the right assortment of tools for a family garden and should be very popular. If desired, the rakes and other attachments can be added later to make a complete tool. Price \$4.50.

PLANET JR. NO. 12 DOUBLE-WHEEL HOE.—This most practical tool is made for gardeners. The arch is high enough to enable the operator to work both sides of the row at once until plants are 18 inches high, then wheels can be set close together and work between rows. Does the work of six men with ordinary hand hoes. Attachments, one pair 6-in. hoes, two pair hollow steel cultivator teeth, pair plows, pair leaf lifters. Price \$6.50.

PLANET JR. NO. 13 DOUBLE-WHEEL HOE.—Is identical with No. 12, described above, but has only one pair of hoes, no other attachments. Price \$4.25.

PLANET JR. NO. 14 DOUBLE-WHEEL DISC HOE.—A new tool specially serviceable for heavy soils. There are three discs on each side, of which two or more may be used as desired, and can be adjusted for depth. Two sets of prong cultivator teeth. Tooth next to row is narrow to run shallow, middle tooth wider and runs one-half inch deeper, outside tooth much wider, runs deeper still. Two plows of regular Planet Jr. model. Price complete \$7.50.



PLANET JR. TWELVE-TOOTH HARROW

Seven-inch hoes.....	\$1.00
Eight-inch hoes.....	1.10
Disc hoes.....	2.25
Three-tine cultivator teeth.....	1.30

A MAN WITHOUT PROPER TOOLS ALWAYS WORKS AT A COSTLY DISADVANTAGE

NEW UNIVERSAL HILL AND DRILL SEEDER CULTIVATOR, PLOW, RAKE AND MARKER NO. 22.—With this improved machine the work is made much easier. The seeding attachment will plant in drills and in hills in distances from 4 to 48 in. We advocate using seeders with one wheel. An extra wheel is packed with each implement to allow use of cultivating attachments with either one or two wheels. These attachments, as illustrated, accompany each implement. By removing two bolts, seeder attachment is removed, and by use of same bolts handles and arch are attached to cultivating frame. Arch 20 in. high, allowing cultivation to that height. Adjustable pads allow expansion. Price \$10.00.



NEW UNIVERSAL HILL AND DRILL SEEDER NO. 22 MATTHEWS' UNIVERSAL CONSTELLATION DRILL NO. 19.—Much improved, and we are convinced that this tool is one of the best. It sows perfectly all kinds of seeds at any depth with mechanical precision, covering and rolling it down in the most approved manner; has a complete set of cultivating attachments, consisting of plows, hoes, rakes and cultivator teeth, as shown in cut. Can be used either with one or two wheels, CONSTELLATION DRILL AND CULTIVATOR NO. 19 and the seeding apparatus is detachable and interchangeable with the cultivator tools. Price only \$8.00.



MATTHEWS' UNIVERSAL GARDEN DRILL.—A new one-wheel drill of superior merit. It is particularly well adapted to planting all kinds of garden seeds. The depth may be gauged to any required space and will make a uniform deposit of the seeds. The single-wheel seeder is considered by many as superior to any double-wheel drill. Price each \$6.25.

UNIVERSAL DOUBLE-WHEEL HOE.—Complete. A greatly improved implement which will work both sides of row at once in a most thorough manner. Has all attachments shown in cut, consisting of one pair each of hoes, plows, rakes, narrow cultivator teeth, and wide cultivator teeth. Also a pair of leaf lifters or vine guards for use when plants become larger. The adjustable arch not only forms a means for gauging the depth of the work to be performed but, by an ingenious device enables the teeth to be pitched at any angle desired. Price, each, only \$5.00.

UNIVERSAL DOUBLE - WHEEL HOE.—Plain. The above tool with WHEEL HOE COMPLETE only one pair of hoe blades, for \$3.50.

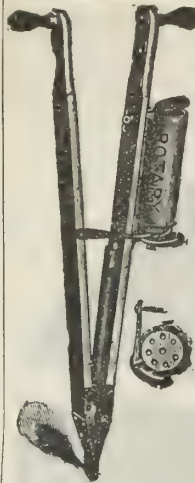
AMES WESTERN GARDEN DRILL.—Made by the manufacturers of the Matthews tools. Neat, light and strong. Adjustable wheel gauge regulates the depth of planting. Change of feed can be made without taking the machine

from the ground. Can be thrown out of gear without letting go of handles. Has double markers so that the next row is marked without changing from side to side. Price each \$6.00.

McGEE GARDEN CULTIVATOR.—A double - wheel hoe with a spring arch which gives the operator control so he can run as close to the row as desired. Is supplied with a pair of hoes and two double - shovel cultivator teeth. Price each \$5.00.

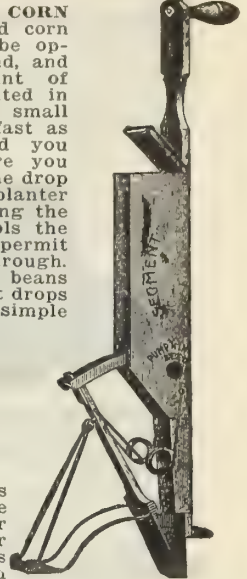
Extras for McGee Cultivator.—Pair of rakes \$1.00; pair of leaf guards 60 cts.; pair of plows \$1.25; pair of scroll knives \$1.00.

McGEE SPRING GARDEN CULTIVATOR

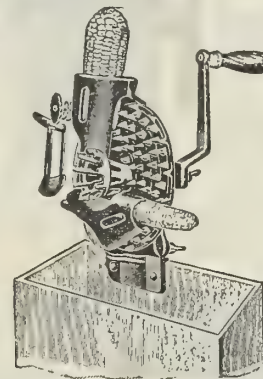


SEGMENT HAND CORN PLANTER.—A hand corn planter which can be operated with one hand, and an immense amount of ground can be planted in one day with this small planter. Drops as fast as you can walk, and you make it drop where you want it. You open the drop by simply bending planter forward, thus pressing the spring which controls the hopper opening and permit the corn to fall through. You can also plant beans or peas with it and it drops pumpkin seed by a simple operation without interfering with the corn planting. Is a popular and successful tool and for small fields or replanting is specially desirable. Price, each \$1.25.

ROTARY CORN PLANTER.—This is one of the best hand corn planters made and a very desirable implement for those who have but a small field, or need to replant their ground. It puts the corn exactly where you want it and at a proper depth. Price \$1.50.



SEGMENT CORN PLANTER



STAR CORN SHELLER.—A specially desirable sheller for hand use. Has an attachment for shelling tips and butts separately, making it desirable in saving seed corn. We also supply an extra attachment for shelling pop corn which can be used as desired. Can be fastened on a box and has a reversible chute which throws the cobs out at the rear away from the shelled corn. It is strong and well made and will last a lifetime. At the very low price at which it is offered, and considering its durability, we consider it the best hand corn sheller on the market. Can be shipped only by express. Not prepaid. Price each, \$1.25; dozen, \$14.00.

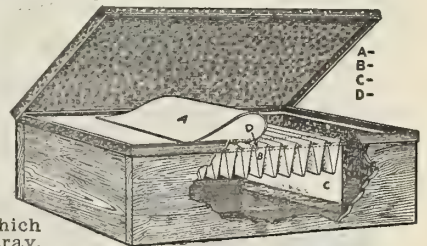
PLANTER PATENT SEED CORN GRADER.—Single Sieve. A sieve grader 12x18 in. in size with screen of heavy galvanized iron and mesh especially suited to grading seed corn before planting. A cheap, quick and effective method of eliminating tip and butt grains and preparing seed for edge dropping. Will pay for itself if you only plant five acres. Each (by express only) 65c.

Double Sieve.—Two sieves attached so that the upper takes out the large trash and butt grains while the lower one allows the tip grains and chaff to drop through. Makes good separation. Each \$1.00.

IOWA SEED TESTER.—This is a tester made by ourselves. It has been developed by 20 years actual use in testing seeds sold by us. First is a metal box about 4 inches deep, surrounded by an asbestos protector and covered with a neat wooden case. This triple arrangement makes it proof against changes in temperature. Over metal rods which extend across the tray, there are suspended pleated strips of very porous material. These pleats form pockets into which the seed is placed. The ends of the strip hang down into the water which covers the bottom of the box to a depth of about an inch. The strip draws up water by capillary attraction the same as a lamp wick draws up oil. This is the correct method of conveying moisture. The seeds are never eversoaked, never too dry.

NO. 1.—Holds 100 tests of corn or 160 of grain or seeds. Furnished with 80 rods and pockets. Price only \$3.50.

NO. 2.—Holds 160 tests of corn or 240 of grain or seeds. Furnished with 120 rods and pockets. Price only \$5.00.



SEED CORN GRADER

IT PAYS TO TEST YOUR SEED BEFORE PLANTING. YOU OUGHT TO KNOW IT IS GOOD

HOLDEN'S IDEAL CORN TESTER.—NO. 1.—Made of galvanized iron as per pattern shown in the illustration. It is for testing ears of seed corn before shelling for seed. Capacity of this size 400 ears (one to each compartment) and each compartment is removable at will. It is quite simple in operation and full directions for use will be sent with each tester. By express or freight, not prepaid, \$10.00.

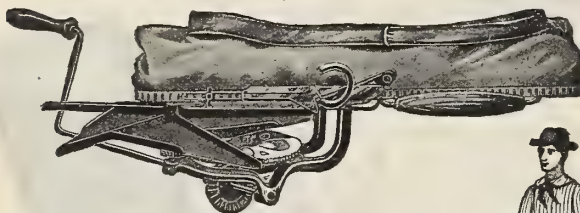


HOLDEN'S IDEAL CORN TESTER.—NO. 2.—A cabinet tester as shown in illustration, with capacity for 1,000 tests at one time. By express or freight, each \$15.00.

NO. 4.—A single box tester of galvanized iron, capacity 200 tests. By express or freight \$5.00.

IMPROVED LITTLE GIANT SEED SOWER.—Every farmer ought to have a small hand seed sower for emergency use. This is an improved style, strong, well made and durable. Very easy to understand and operate. Each \$15.00.

COLUMBIA BROADCAST SEED SOWER.—Has a solid malleable iron frame, but the hopper is made of steel. The bag will hold half a bushel. It is equipped with an agitator, thus making a practical force feed, and also with a seed gauge for adjusting quantity of seed sown. The crank can be used either on the right or left side, and it is therefore the only seeder that we know of that a left handed operator can use with ease. It weighs only 3½ lbs., will sow 50 feet of wheat or rye at a round, 30 to 36 feet of flax, clover, timothy or millet; light grass seeds 15 to 30 feet. Price only \$1.50.

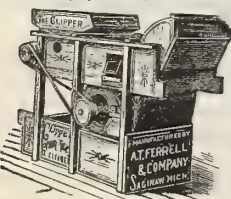


COLUMBIA BROADCAST SEED SOWER.
EUREKA POTATO PLANTER.—The best hand potato planter that we know of as it does the work perfectly. Also plants beans and corn equal to any corn planter. See cut. Price \$1.25.

FREEMAN FARM FANING MILL.—Double Shoe Type No. 1.—A splendid mill for general farm work. The upper shoe holds the screens for coarse dirt, straw and large trash, while the lower shoe holds the screens for the very fine weed seeds, sand, etc., so that a first-class job of cleaning is easily done. Has a very large amount of screen surface and will easily clean 50 to 75 bushels per hour. Complete outfit has one 3-screen hurdle, 5 grain screens, 1 cockle board, 1 flax sieve, 2 clover sieves, 3 timothy sieves and 1 timothy or sand screen, all 22 inches wide. Shipped "knocked down" to save freight, unless otherwise ordered. Price f. o. b. Des Moines, \$17.00; or if shipped from the factory in Wisconsin, price is \$15.00.

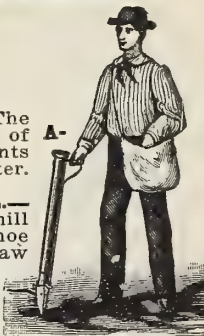
NO. 2.—For grain only; does not have the sieves or screen for seeds, but is same otherwise. Price f. o. b. Des Moines, \$15.00; or if shipped from factory, price is \$13.00.

CLIPPER SEED-CLEANER.—This is an up-draft fanning-mill and does the best work in cleaning all kinds of seed and grain; more of these are used by seed dealers than all other makes combined, and farmers would save the price of a mill in many cases by cleaning and grading up their grain before selling. A Clipper will pay for itself in one year by the increase in yield resulting from carefully cleaned seed grain. Price, only \$25.00, or if sent direct from the factory in Michigan, only \$22.00.



CLIPPER SEED CLEANER

EUREKA POTATO PLANTER



LANG'S HAND WEEDER.—Is in our opinion the best; its special feature a band which passes over the fingers, which, when the tool is not in use, gives full use of the hand for pulling weeds and thinning out plants without laying down the tool. Price 25c, \$2.50 per dozen, or 30c each, postpaid.



EXCELSIOR WEEDING HOOK.—Can be used to great advantage among small and tender plants. Price 10c, doz. \$1.00, or postpaid for 20c each.



BLUE GRASS STRIPPERS.—For gathering seed. Each \$2.00.

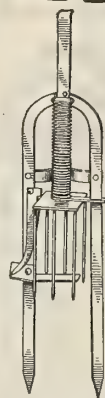
GARDEN TROWELS.—5-inch 10c, by mail 15c; 6-inch 15c, by mail 20c.

FLORIST TROWELS.—Extra heavy at 40c, by mail 50c.

"NEVERBREAK" GARDEN TROWELS.—Extra heavy, strong, durable. 5-in. 10c; by mail 20c.

EUREKA SEED DRILL.—A small hand drill for vegetable seeds in beds. Gardeners will like it for sowing seeds in hotbeds. Price \$1.25, or postpaid for \$1.50.

DIBBER.—Steel pointed, for transplanting vegetable plants. Each 35c; by mail 50c.



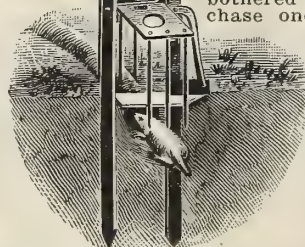
LITTLE GIANT MOLE TRAP

CONCAVED AND CURVED SEED POTATO KNIFE.—Is thin and of right shape to cut one, two or three eye pieces fast and not crack the tuber or injure the germ. Far superior to the ordinary straight-blade knives for this purpose. Ea. 30c, postpaid.



LITTLE GIANT MOLE TRAP.—Not so large as the Reddick, but principle is similar. Strong, durable and will do the work. Easily set. Has a strong spring with great force. Each 75c.

REDDICK MOLE TRAP.—If you are bothered with moles you should purchase one of these traps. It is undoubtedly the best trap made and no mole can pass under it and live. Price \$1.



REDDICK MOLE TRAP

STEEL BOW GARDEN RAKES.—A first-grade tool. 14-tooth, each 75c; 16-tooth, each 85c; not prepaid.

ASHTABULA GARDEN RAKES.—A standard make of good quality. 12-inch, each 35c; 14-inch, each 50c; 16-inch, each 65c; not prepaid.

DIAMOND STEEL GARDEN HOE.—Made of tempered steel, and of first quality. 7-inch, each 60c; 7½-inch, each 75c; not prepaid.

DIAMOND SPADING FORK.—An ordinary 4-tine garden fork of good quality. Each 85c, not prepaid.

COMMERCIAL FERTILIZERS

KAINIT.—A natural mineral product containing 12 per cent of potash and 33 per cent salt, in available soluble form. Use 200 lbs. per acre, broadcast at spring plowing. Price per 100 lbs. \$1.75, 500 lbs. \$8.00.

ACID PHOSPHATE.—A ground mineral containing about 14 per cent phosphoric acid, a constituent highly important in balanced fertilizer for farm crops. Use 200 lbs. per acre broadcast at spring plowing. Per 100 lbs. \$1.75, 500 lbs. \$8.00.

SULPHATE OF POTASH.—A concentrated mineral fertilizer with 52 per cent available potash. So very strong that it is only used in small quantity (about 50 lbs. per acre) or as a part of fertilizer mixtures. Best for garden and lawn uses. Per 10 lbs. 75c, 50 lbs. \$3.50, 100 lbs. \$6.00.

MURIATE OF POTASH.—A different product from above but nearly as strong and is to be used in like manner. Contains 48 per cent available potash. Best for field and grain crops. Price, per 10 lbs. 75c, 50 lbs. \$3.50, 100 lbs. \$6.00.

CORN FIELD FERTILIZER.—A mixture of Kainit, Bone Meal and Acid Phosphate in such proportion as will furnish nitrogen, phosphorus, humus and potash for the growing corn and has the additional advantage of destroying root and wire worms in the soil. Especially recommended on fields where corn is grown several years in succession. 300 lbs. per acre broadcast at spring plowing. Price, per 100 lbs. \$2.75, 500 lbs. \$12.00, 2,000 lbs. \$34.00.

EVERY FARMER SHOULD OWN A FANING MILL TO CLEAN GRAIN AND GRASS SEEDS

POULTRY SUPPLIES



PLYMOUTH ROCK CHICK FOOD.—This food has been prepared with the idea of supplying a perfectly balanced ration for young chicks. It has been demonstrated that young chicks do much better on our especially prepared feed than on any moist or soft food that can be obtained. The food is composed of various kinds of grains, bone and other nutritive foods, making it the most complete and cleanest

chick food on the market. Price per 25 lb. bag 75c, 50 lbs. \$1.25, 100 lbs. \$2.25.

PLYMOUTH ROCK HEN FOOD.—In the preparation of this food we have had in mind the production of the best food that could be made for laying hens and the keeping of all fowls healthy. Price, 25 lbs. 60c, 100 lbs. \$2.00.

PLYMOUTH ROCK POULTRY MASH.—A mash food containing much the same ingredients as Plymouth Rock Hen Food. 25 lbs. 65c, 100 lbs. \$2.25.

PLYMOUTH ROCK POULTRY FAT-TENER.—A mash food for finishing poultry for market. Price, 25 lbs. 60c, 100 lbs. \$2.00.



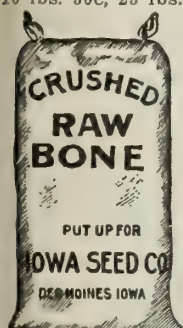
HAWKEYE CHICK FOOD.—We do not add grit or shell to our Plymouth Rock brands of poultry foods but this brand contains both in the proper amounts. The grits used are small sizes suitable for the growing chicks. 25 lbs. 60c, 100 lbs. \$2.00.

HAWKEYE HEN FOOD.—Is like the Plymouth Rock Hen Food but has grit and shell added to the formula. Price, 25 lbs. 60c, 100 lbs. for \$1.85.

SPRATT'S CHICK MEAL.—Specially prepared to be used as a food for young chicks. It keeps them healthy and thrifty. 5 lbs. 50c, 25 lbs. \$2.00.

ALFALFA CLOVER MEAL.—An excellent preparation of alfalfa containing a large amount of digestible protein, especially adapted to be fed with a mash food. Valuable as a winter food. Price, 10 lbs. 25c, 25 lbs. 50c, 100 lbs. \$1.60.

GROUND BEEF SCRAPS.—Fresh beef thoroughly cooked and dried; excellent food for young chicks or laying hens. 10 lbs. 50c, 25 lbs. \$1.00, 100 lbs. \$3.50.



CRUSHED RAW BONE.—Really better than the shell, but will pay to use both. Best quality, made from fresh bones. 10 lbs. 50c, 25 lbs. \$1.00, 100 lbs. for \$2.75.

RAW BONE MEAL.—Ground fine for feeding small chickens; also used as a lawn fertilizer. Price, 10 lbs. 45c, 25 lbs. for 85c, 100 lbs. \$2.50.

CRUSHED CLAM SHELL.—Harder than oyster shell, and not dissolving so

readily, will serve as grit; contains a large amount of available lime necessary in egg production. Price, 25 lbs. 35c, 100 lbs. 75c, 500 lbs. at 70c per 100.

CRUSHED OYSTER SHELL.—A most important article for the poultry yard and should be supplied liberally. Superior quality. Hens will keep healthier, lay better, and eggs will be more fertile if supplied with it. 10 lbs. 25c, 25 lbs. 40c, 100 lbs. 90c, 500 lbs. \$4.25.

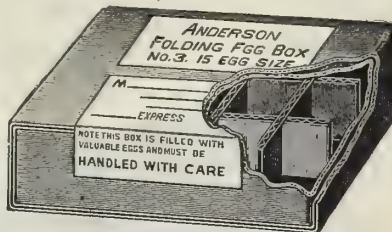
PEARL GRIT.—No better grit can be found for poultry. Sharp and wears sharp. Per 25 lbs. 35c, 100 lbs. 85c, 500 lbs. or more at 75c per 100 lbs.

PEARL CHICK GRIT.—A small grit which is a necessity when raising young chickens. Per 25 lbs. 35c, 100 lbs. 85c, 500 lbs. or more at 75c per 100 lbs.

CHARCOAL.—Granulated to just the right sizes for either poultry or chicks. Two sizes, 5 lbs. 35c, 10 lbs. 50c, 25 lbs. \$1.00, 50 lb. bag. \$1.50.

MEDICATED CHARCOAL.—Claimed to be better than ordinary charcoal. 5 lbs. 50c, 10 lbs. \$1.00, 25 lbs. \$2.25.

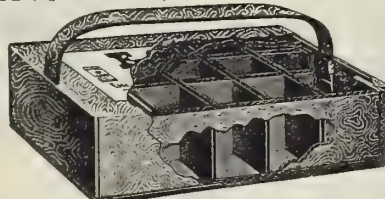
CLIMAX BASKETS.—Are desirable for shipping eggs for setting; will hold two settings of Leghorns, etc., or one of Asiatic. Price per 10 50c, 50 for \$1.75, 100 for \$3.50.



ANDERSON EGG CASES.—Similar to above but shipped in flat, saving freight or express charges. We recommend them. Price, 15-egg size \$1.25 per doz., 30-egg \$2.00 per doz., 50-egg \$3.00 per doz., 100-egg \$5.00 per doz.

SEFTON LIVE CHICK BOX.—Made from corrugated paper with ventilating holes in top and sides; for shipping small, live chicks. 25-chick size \$1.50 doz., 50-chick size \$2.00 doz., 100-chick size \$3.50 per doz.

EYRIE EGG BOX.—Made of corrugated paper. Very strong, light and durable. Self-locking. No. 1 holds 15 eggs, per dozen \$1.50. No. 2 holds 30 eggs, per dozen \$2.50.



LAMBERT'S DEATH TO LICE.—A remedy for poultry vermin, moths, lice on horses, cattle or plants, fleas on dogs, etc. Pkg. about 1 lb. 25c, by mail 40c. Trial size 10c, postpaid 20c; not prepaid, 3 lbs. for 50c.

CONKEY'S LICE POWDER.—One of the most perfect lice killers. Also good for fleas on dogs and other animals. 15 oz. box 25c, postpaid 40c; not prepaid, 3 lbs. for 50c.

LEE'S INSECT POWDER.—Use on fowls, in nests, and among the litter. Has sprinkler top to the can. Price, 1½ lb. can 25c, or postpaid for 45c.

ANTISEPTIC NEST EGGS.—Keeps vermin from the nests and causes them to leave fowls. An egg should be put under every setting hen. Each 5c, doz. 45c. Not prepaid.

PRATT'S POULTRY REGULATOR.—(Formerly called Pratt's Poultry Food.) Will keep hens in good health and cure chicken cholera and other diseases of chickens and turkeys. Per 5 lb. pkg. 60c (not prepaid), 26 oz. pkg. 25c, postpaid 55c. Trial size 19c, postpaid.

CONKEY'S LAYING TONIC.—A splendid item for laying hens, and beneficial to all poultry. 1½ lb. pkg. 25c, postpaid 50c; 3½ lb. pkg. 50c, not prepaid.

LEE'S EGG MAKER.—Sold under a manufacturer's guarantee to make hens lay. Foundation is granulated blood, deodorized. Price, not prepaid, 2½ lb. pkg. 25c, 5½ lb. pkg. 50c.

We handle a complete line of poultry supplies of the best quality. Prices are subject to important market changes. We will be glad to name special figures on large lots. Transportation to be paid by purchaser except where marked postpaid.

CONKEY'S ROUP CURE.—An excellent remedy that has been thoroughly tried and has given excellent satisfaction. Per box 50c, large size \$1.00, postpaid. Trial size 25c.

CONKEY'S CHOLERA CURE.—We consider this the most dependable cholera cure known. Used for cholera, indigestion, bowel trouble, diarrhoea and kindred diseases. Per box 50c, postpaid. Trial size 25c.

HILL'S HUMANEOLUM.—A condensed liquid Disinfectant and Germicide. Used for dipping poultry, hogs, sheep, etc. Makes a splendid spray solution for hen houses, stables and out-buildings to destroy odors, germs and insects. One pint makes 20 gallons solution. Directions for 16 different uses on each package. Price per pint 50c; qt. 75c; gallon \$2.50.

LEE'S GERMOZONE.—A liquid to be given in the drinking water of fowls. Will cure cholera, roup and nearly all poultry diseases. Price, not prepaid, 50c.

LEE'S LICE KILLER.—A liquid that will eradicate lice, mites and chiggers, by applying to roost and nest boxes. It is now considered the standard liquid lice killer. Qt. 35c, ½ gal. 60c, gal. \$1.00.



LEADER LEG BAND

LEADER LEG BAND.—An adjustable band which can be used for any sized fowl from a bantam to a turkey. Made of aluminum, light and smooth. Doz. 20c, 100 65c, postpaid. 500, not prepaid, \$2.75.

LEADER LEG BAND—No. 2.—For bantams and smaller breeds. Doz. 20c, 100 65c, postpaid; 500, not prepaid, \$2.75.

DOUBLE CLINCH LEG BANDS.—This is one of the most popular

flat bands on the market. It has a very strong fastening consisting of two clinches which close down over the end of band in such a way as to make it practically impossible to lose them off. Prices, postpaid, doz. 20c; 50, 40c; 100, 65c, postpaid; not prepaid, 500, \$2.75.

PHILADELPHIA POULTRY MARKER.—A convenient little spring punch for marking chickens by making a small hole in the web of the foot. 25c each, postpaid.

PILING LANSOWNE POULTRY MARKER.—A handy poultry marker. Look at the illustration and see how easy it is to use. Large or small size sent postpaid for 25c.

DR. HESS' PANACEA.—The most popular poultry regulator among professional poultry raisers. Keeps the fowls healthy and makes the hens lay. By express, not prepaid, 1½ lb. pkg. 25c, 5 lb. pkg. 60c, 12 lb. pkg. \$1.25.

CONKEY'S FLY KNOCKER.—A liquid that kills all flies and insects it strikes, and drives others away. A great relief to cows and horses. Especially valuable to dairymen. Stock sprayed with Fly Knocker will not be troubled with insects while feeding. 1 qt. 35c; 2 qts. 60c; 1 gal. \$1.00, not prepaid.

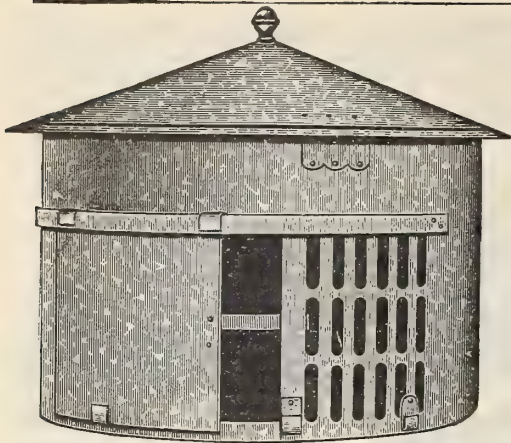
INCUBATOR THERMOMETERS.—We handle the best manufactured. All tested, and of known accuracy.

No. 751.—Straight, upright pattern, preferred by some as it reads upwards. Each 55c, postpaid.

No. 756.—Reads almost horizontally, but is liked by many as it lies in the machine without danger of breakage from agitation. Each 65c, postpaid.

GLASS NEST EGGS.—5c each, 35c per doz., 4 doz. for \$1.00, not prepaid.

BE SURE AND SEND FOR OUR COMPLETE ILLUSTRATED POULTRY SUPPLY CATALOG. IT IS MAILED FREE



LUTHE BROOD COOP.—Round metal coop, made of galvanized iron, with sliding door which can be fastened open at desired size. Adjustable top for ventilation. Rat, mink, weasel, mite and rain proof. Size 20 in. diameter, 20 in. high. Each \$1.50; doz. \$16.00.

SUCCESSFUL SANITARY BROOD COOP.—Made of galvanized iron. Rat, mink, weasel, mite and rain proof.

No. 1—17½x23 in.; height, front 16 in., rear 12 in. Each \$1.75, doz. \$19.00.

No. 2—23½x29 in.; height, front 24 in., rear 18 in. Each \$3.00, doz. \$32.00.

No. 3—23½x29 in.; height, front 16 in., rear 12 in. (for young chicks). Each \$2.50, doz. \$27.00.

EMPIRE EXHIBITION COOP.—The standard make, used by nearly all first-class shows:

Style AA—Length 2 ft., width 2 ft., height 27 in., with solid ends and wire back \$3.00. With solid veneer back \$3.20.

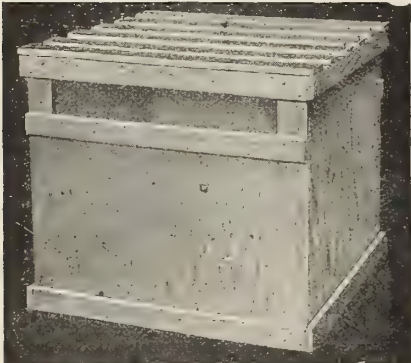
Style C—Is 4 ft. long with two compartments each of which is 22x24x26 in. Price with solid veneer ends, wire back and front, \$4.60; with solid ends and back \$5.00. We also carry the Style AA fronts 2 ft. long at 90c each. Style C fronts 4 ft. long at \$1.75 each. Larger sizes ordered when wanted.

ECLIPSE EXHIBITION COOP.—The frames and bottom are of basswood. Front bars iron. Top, sides and front curtain are canvas. Shipped "knock down" but are easily put together.

High Deep Long Weight Each
No. 1. 28 in. 25 in. 20 in. 16 lbs. \$1.75
No. 2. 28 in. 25 in. 36 in. 23 lbs. 2.50
No. 3. 28 in. 25 in. 48 in. 27 lbs. 3.50

IOWA SHIPPING COOPS.—All wood. Sides and end pieces nailed together with cleats so that coops are readily made in using form. As shown by cut the coops are ventilated both front and back, while the top is covered with slats, giving thorough ventilation. Cleats around upper and lower end make it easy to handle.

High Wide Deep ½ doz. 1 doz.
No. 6—18 in. x 12 in. x 18 in. \$1.00 \$3.60
No. 5—18 in. x 15 in. x 18 in. 1.10 4.00
No. 4—18 in. x 20 in. x 18 in. 1.25 4.50
No. 3—24 in. x 20 in. x 18 in. 1.40 5.00
No. 2—30 in. x 20 in. x 18 in. 1.60 6.00
No. 1—36 in. x 24 in. x 18 in. 2.00 7.50



IOWA SHIPPING COOP.

CROWN BONE CUTTERS.—No. 1—Weights 50 lbs.; is to be bolted to bench or table for operation. Ea. \$7.

No. 2.—Same as above but has a tripod metal stand upon which cutter is fastened. Weights 80 lbs. Each \$8.50.

WILSON DRY BONE AND SHELL MILL.—It will grind either shell or dry bone and crack wheat or corn. Each \$4.50.

HUMPHREY'S GREEN BONE AND VEGETABLE CUTTER.—One of the leading bone cutters. Be sure and investigate before you purchase. Manufacturer's guarantee given with each cutter sold. No. 1 cutter \$12.00; No. 2½, semi-power, \$15.00; No. 2, all-power cutters, each \$13.50.

HUMPHREY'S RAPID CLOVER CUTTER.—For cutting clover, alfalfa, etc., which are essential foods for poultry. Strong and durable with five cutting knives and double-edge stationary knife which is reversible. Price each \$11.00.

MODEL GRINDING MILL.—To grind shell, grit, bone and grains. Easily adjusted to grind coarse or fine as desired. No. 1, each \$3.00. No. 2, \$4.50.



WIRE POULTRY NETTING

The best make; thoroughly galvanized to prevent rusting, and properly twisted. The following prices are subject to important market changes: Made of No. 19 wire and 2-inch mesh; put up in rolls 150 feet in length.

Width Inches	Per Roll	Width Inches	Per Roll
12	\$1.10	36	\$3.25
18	1.60	48	4.35
24	2.15	60	5.40
30	2.70	72	6.50

One-inch mesh, No. 20 wire, for young chicks and Belgian hares.
12 \$2.40 20 \$6.00
18 3.60 36 7.20
24 4.80

Other widths if desired.
Will allow 5 per cent discount on lots of five rolls or more.
Cut rolls, any width, of 2-inch mesh, 1 cent per square foot.
Cut rolls, any width, of 1-inch mesh, 2 cents per square foot.

BANNER POULTRY FENCE.—Made of heavy No. 17 galvanized wire with small square mesh at bottom, ranging larger at top. Strong and durable. Small chicks cannot get through and it will turn dogs and small animals. Put up in rolls of ten rods length.

Width	Cut Rolls Per 10 Ft.	Full Roll	Five Rolls
18-inch	\$.16	\$2.40	\$11.50
24-inch	.20	3.00	14.00
36-inch	.25	3.60	17.00
48-inch	.30	4.20	20.00
60-inch	.35	5.00	23.50
72-inch	.40	6.00	28.50

GALVANIZED STAPLES.—For fastening wire poultry netting, 10c per lb.
WIRE HENS' NESTS.—These nests are strongly made from heavy wire and will last a lifetime. There is no room on them for lice to find a lodging place, and they are easily kept clean. Each 15c, half doz. 80c, doz. \$1.50, not prepaid.



BUFF PLYMOUTH ROCK

EGGS FOR HATCHING

If 15 chicken eggs are wanted for a setting, add 15c to price quoted.

We are prepared this season to supply eggs for hatching from choice farm-raised, high-grade, thoroughbred stock of the leading varieties. They are superior egg-laying strains and have won many prizes at leading poultry shows.

BARRED PLYMOUTH ROCKS.—The farmer's favorite. From large, well-marked stock. Setting of 13 eggs \$1.25.

WHITE PLYMOUTH ROCKS.—Great egg producers and very early to mature. Our stock is pure white. Price per setting of 13 eggs \$1.25.

BUFF PLYMOUTH ROCKS.—Becoming very popular as a general purpose fowl. Per setting of 13 eggs \$1.50.

WHITE WYANDOTTES.—Rapidly becoming favorites. They are great layers, mature early and are pure white. Price per setting of 13 eggs \$1.50.

SILVER-LACED WYANDOTTES.—Most popular of Wyandotte class. Per setting of 13 eggs \$1.50.

BLACK LANGSHANS.—Very satisfactory for general purposes. Per setting of 13 eggs \$1.50.

BROWN LEGHORNS.—The greatest of all layers. Our stock is from one of the best laying strains in the country. Price per setting of 13 eggs \$1.25.

ROSE COMB BROWN LEGHORNS.—Per setting of 13 eggs \$1.50.

SINGLE COMB WHITE LEGHORNS.—Beautiful and profitable variety. Per setting of 13 eggs \$1.50.

LIGHT BRAHMAS.—High scoring stock. Per setting of 13 eggs \$1.50.

RHODE ISLAND REDS.—Single or Rose Comb as preferred. Per setting of 13 eggs \$1.50.

BUFF ORPINGTONS.—Large, handsome fowls. Per setting of 13 eggs \$1.50.

WHITE ORPINGTONS.—Most popular breed among fanciers. Our stock is a fancy strain. Per setting of 13 eggs \$2.

BUFF COCHIN BANTAMS.—Similar in shape and color to the standard Buff Cochin fowl, except in size. Price per setting of 15 eggs \$2.00; 7 for \$1.00.

BRONZE TURKEYS.—Usually scarce, but we hope to have a good supply this season. Setting of nine eggs, \$3.00.

WHITE HOLLAND TURKEYS.—Preferred by some over the Bronze variety. Per setting of 9 eggs \$3.00.

MAMMOTH WHITE PEKIN DUCKS.—Per setting of nine eggs \$1.50.

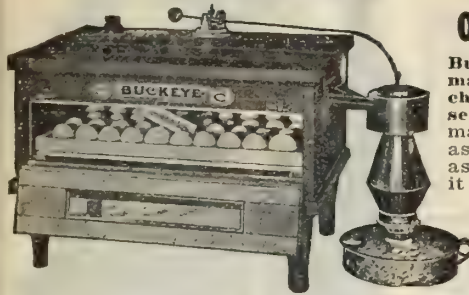
INDIAN RUNNER DUCK.—Considered the best layers of any breed of ducks. Quick growing. Setting of 9 eggs \$1.50.

EGGS FOR INCUBATORS.—Write us for prices, stating the number of eggs you will want and breed. Will quote you very lowest prices.

BREEDING STOCK.—A few choice cockerels and pullets at reasonable prices. Order early as our stock is limited. We send out only choice stock which will please our customers. Write for a price list.

BUCKEYE 50-EGG INCUBATORS

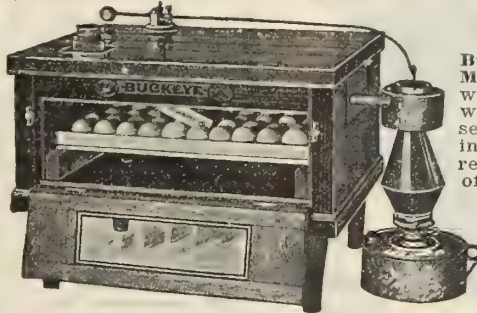
THE BEST VALUE EVER OFFERED



Only \$6.00

Buys the Style C machine. It is cheaper than to set hens. Each machine hatches as many chicks as four hens, and it won't be half the bother to care for that hens are.

Only \$6.00



Only \$8.00

Buys the Style A Machine. Strong, well made, double walls, chick nursery in addition to the regular equipment of the other styles. Our best seller and the greatest bargain in incubators.

Only \$8.00

WE WILL MAKE YOU A SPECIAL PRICE ON FIVE OR MORE
Just the right size, just the right price. You can set them anywhere, and move them any time without jarring the eggs. Guaranteed by the manufacturers.

Lessens the risk of operation, for a failure only means the loss of fifty eggs, while the loss from similar cause with a large standard machine would be three to six times as heavy. You can buy the same egg capacity for less money than if a large standard make is purchased. It is suitable for any poultry raiser whether he breeds from ten or ten hundred hens. One of the largest poultry farmers of the country has discarded all the large machines and filled his incubator house with these small hatchers, claiming he gets better results, and has less loss from failures than under the old system.

Style C.—Equipment—One tank and boiler, one lamp bowl, one burner with wick, one chimney, one thermometer, one thermometer holder, one complete Buckeye regulator, one egg tester and two egg trays. Has single walls and weighs 3 lbs. crated. Price each \$6.00.

BOSTON DRY FOOD HOPPER. A metal box with wire cover. Can be locked to keep out rats. Each \$1.00.
GRIT AND SHELL BOXES.—Made of galvanized iron. Keep feed and grit off ground and prevent waste. Each 75c.



STANDARD
CYPHERS INCUBATOR.

Fire Proofed.—Insurable.

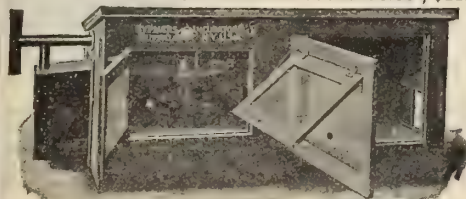
STANDARD CYPHER'S INCUBATOR

Give the best of satisfaction, are the easiest to operate, require the least amount of oil, capacity considered, and will hatch a larger per cent than any other machine we have ever tried, including more than twenty of the leading machines. Nos. 0 and 1 do not have nursery shown in illustration.

No. 0, 70 egg...\$15 No. 1, 144 egg...\$22
No. 2, 244 egg... 32 No. 3, 390 egg... 38

CYPHER'S BROODERS

Style A. Outdoor, 32x32 in.....\$12.50
Style B. Outdoor, 32x36 in..... 16.50
Style C. Outdoor, 32x62 in..... 18.50



CYPHER'S STANDARD BROODER

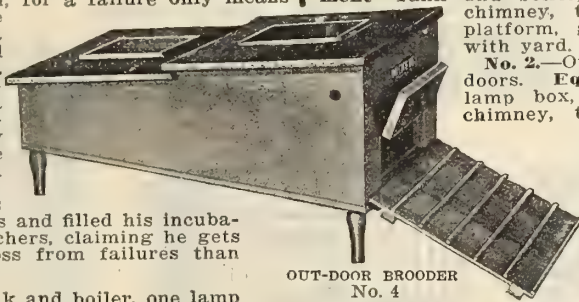
BUGKEYE 50-CHICK BROODERS

No. 1.—Overhead, hot-water system for indoors. **Equipment**—Tank and boiler, lamp bowl, burner with wick, chimney, thermometer, complete regulator, platform, galvanized iron fence. Complete with yard. Price each \$6.00.

No. 2.—Overhead, hot-water system for outdoors. **Equipment**—Tank and boiler, steel lamp box, lamp bowl, burner with wick, chimney, thermometer, complete regulator, platform and galvanized steel roof with skylight. Weighs 80 lbs. crated. Price each \$8.00.

No. 3.—Lampless system for indoors. **Equipment**—Flannel hover, wooden door, platform, galvanized wire fence, roof with skylight. Complete with yard; weighs 30 lbs. crated. Price each \$5.00.

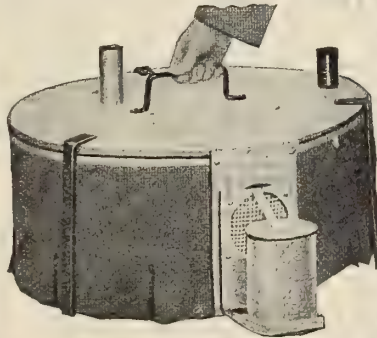
No. 4.—Lampless system for outdoors. **Equipment**—Flannel and burlap hover, platform, galvanized steel roof with skylight. Weight 75 lbs. Each \$7.00.



OUT-DOOR BROODER
No. 4

IDEAL HOVER

Set the Ideal Hover any place—colony house, laying house, barn or dwelling. Heater easily removed without disturbing brooder. Moved at will without disturbing the lamp. Make a pen of boards or wire netting around it and you have a perfect brooder. Metal top (double, with asbestos between) and double curtain down to the floor. Size, 24 in. diameter, complete with thermometer, price each \$6.00.



IDEAL HOVER

SIMPLICITY HATCHER.—This is a round metal hatcher and, in our opinion, is the best of the type. Descriptive circular on application. In two sizes: 50-egg, price \$7.50; 100-egg, price \$12.00.

DOUBLE QUICK OAT SPROUTER.—Sprouts quickly. Moisture-tight metal walls inside, double wooden wall outside.

No. 1—13x11x27 in.; 3 trays;
wt. 20 lbs.; 25 to 40
fowls\$5.00
No. 2—15x12x31 in.; 4 trays;
wt. 28 lbs.; 50 to 75
fowls 6.25

No. 3—18x16x37 in.; 5 trays;
wt. 40 lbs.; 100 to
150 fowls 8.75

Write for quotation on larger sizes.

HEN FRIEND DRINKING FOUNTAIN.—Made of galvanized iron. Easily filled and handled. 2-qt. size, each 25c; 4-gal., each 35c; 10-gal., each 50c.



SANITARY DETACHABLE FOUNTAIN.—Made of stoneware. Chicks can drink all around. Easily cleaned. One-quart 25c, doz. \$2.50; 2-quart 30c, doz. \$3.00; gal. 35c, doz. \$3.50; 2-gal. 50c, doz. \$5.00.

GRANT'S AUTOMATIC FEEDER AND FOUNTAIN.—A metal pan in the center of which can be fastened a Mason fruit jar. You fill the jar with feed or water as desired, screw on the pan and turn jar upside down, and the contents flow automatically into the pan as needed. We sell the pans only, as everybody has Mason jars. Pans 5-in. diam., each 25c, postpaid; 6-in. diam., each 30c., postpaid.

MOE'S TOP FILL FOUNTAIN.—It always supplies just enough pure water. Won't stop over. Dead air space keeps water cool in summer, warm in winter. Simple in construction. Remove cover and fill from top. Water ceases to flow when cover is removed. No valves to get out of order. One, two and three gal. capacity. Satisfaction guaranteed. 1-gal. \$1.25; 2-gal. \$1.75; 4-gal. \$2.25.

NORWICH EXERCISER AND FEEDER
No. 1—8 qt. hopper; wt. 12 lbs....\$2.50
No. 2—14 qt. hopper; wt. 15 lbs.... 3.25
No. 3—20 qt. hopper; wt. 20 lbs.... 4.10
No. 4—32 qt. hopper; wt. 30 lbs.... 5.00

IMPROVED AMERICAN FEEDER.—Metal feeding trough with top if wires to prevent crowding; a good water pan.
No. 1—3 inch trough; 18 in. long...\$.50
No. 2—4 inch trough; 24 in. long... .75
No. 3—5 inch trough; 36 in. long... 1.00

Our Talking Pet



PARROTS

GUARANTEED TALKERS

Each year we import young parrots in immense numbers from our supply stations in Old Mexico, where our men personally supervise raising, selecting, and shipping these birds. Only parrots of superior quality are sent to us, all culls being rejected. Thus we can offer extra choice stock, hand raised, and give with each parrot a written **guarantee that it will learn to talk.** Beware of cheap trapped parrots; they look nice but will not learn to talk; we never handle them.

ROYAL AZTEC DOUBLE YELLOW HEADS.—Our very finest talking variety, formerly called Page Parrots. Superior to all other American parrots and make most fluent talkers. Guaranteed. Price \$15.00 during summer, but usually higher after August 15th.

COMMON DOUBLE YELLOW HEADS.—Very good birds fully guaranteed but not likely to make such brilliant talkers as the Aztecs. Price \$9.75 during the summer.

MEXICAN RED HEAD PARROTS.—Medium size, make nice talkers and great pets. Young birds ready in June. Price \$4.75 each if ordered early. During fall and winter prices range from \$3.00 to \$12.00 each.

CUBAN PARROTS.—Medium size, and make nice talkers. Usually in stock from June to September. \$5.50 each.

BIRDS

"Little Dewdrops of Celestial Melody."

The companionship of a bird has brightened the life of many a tired, over-worked mother on whom the daily cares and burdens rested heavily. The music of a good singer makes the whole house more cheerful and every member of the family enjoys the pure, clear notes of a happy little song bird. We specially invite the patronage of those who are well posted and can appreciate a bird of superior quality. Our bird department is as complete as any bird store in the country and our prices are lower than most others. The reason for this is that we handle many thousand birds annually and have the **largest mail order business in America.** Ask for complete illustrated catalogue. We ship to the most distant parts of the United States and **guarantee live arrival** to any express office which is a railroad station. Express charges to be paid by purchaser on all goods on this page except where stated. Ask for special quotations if you desire several birds or a large lot of supplies. The winter is the best time to ship canaries. Book on canaries for 25 cents. Descriptive catalog free.

HARTZ MOUNTAIN CANARIES.—These are a specialty with us. They are bred in Germany, high up among the Hartz Mountains, and are famous for their clear, pure, beautiful song, which is a restful melody. There is no comparison between these and common American "screeching" canaries, whose choppy notes are at times almost ear-splitting. Choice male birds \$3.00 each; second grade \$2.25 each.



HARTZ MOUNTAIN CANARY

ST. ANDREASBERG ROLLER CANARIES.—These birds are without doubt the finest songsters in the world. Their tones are sweet, round and full, consisting of delightful bell notes, low water bubble, charming flute notes and long, silvery trills. Their most restful music continually surprises by its many changes. They are an ideal bird for an invalid and are often presented by our customers to sick friends. Each \$5.00.

EUROPEAN GOLDFINCH.—The most delightful of parlor birds. Has brilliant plumage and usually an excellent song. Price \$2.50 each.

IMPROVED BRASS CAGES.—Thoroughly well made and decidedly better than painted cages for birds. Sizes 5 1/2 x 8 1/2 in. \$1; 6 x 9 \$1.15; 6 1/2 x 9 1/2 \$1.40; 7 x 10 \$1.70; 7 1/2 x 10 1/2 \$2.25; 8 1/4 x 11 1/2 \$2.60.

IDEAL BRASS CAGE.—One of the most elegant cages ever sent out. The brass screen cloth around the bottom prevents scattering of seed or gravel. Size 6 x 9 \$2.20; 7 x 10 \$3.00; 8 1/2 x 11 1/2 \$3.50; 8 3/4 x 11 1/2, fancy top, \$5.00.

BREEDING CAGES.—Wood frame. Single compartment; 17 in. long \$1.75; 19 in. \$2.00; 21 in. \$2.25. Double: 19 in. \$2.50; 21 in. \$3.00; 23 in. \$3.50 each.

ROUND PARROT CAGES.—Tinned wire, durable, satisfactory. 13 inches in diameter \$2.25; 14-inch \$2.75; 16-inch \$3.50; 18-inch \$4.50.

DOUBLE CAGE SPRINGS.—Brass, 15c each, postpaid. Single spring 10c.

BIRD Dainties.—Pkg. 15c, postpaid.

CUTTLE BONE.—Large piece with a holder 7c; dozen 65c, postpaid.

FOOD HOLDER.—Fastens between the wires of the cage. Is nice for holding Song Restorer, Cuttle Bone, lettuce, apple or other food. Price 10c, postpaid.

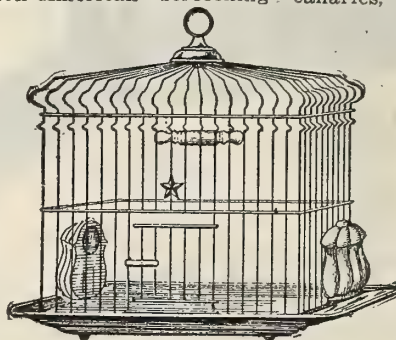
BIRD HEALTH.—A preparation of our own which will keep birds in good condition at all times. It relieves colds and cures obscure ailments after other remedies fail. Restores the voice and invigorates the system. Price per 2 oz. box 15c, postpaid. Four boxes for 50c.

PARROT BELLS.—Each 12c, postpaid.

PREPARED MOCKING BIRD FOOD.—Best food on the market for all soft billed birds. Large can 35c; postpaid 55 cents.

WIRE NESTS.—10c or 15c, postpaid.

TOY BELLS.—For birds, 7c, postpaid.



IMPROVED BRASS CAGE

PANAMA PARROTS.—Large, green parrots, very fluent talking species. Usually in stock entire year. Price, \$12.50 each.

TRAINED PARROTS.—We buy and sell educated parrots. Ask about them.

PARROT BOOK.—Describes different kinds, tells how to treat when sick, how to train and care for young parrots. Paper 25c; cloth 75c, postpaid.

Orders for young parrots will be accepted and booked now to be filled in order received, from the first importation, thus giving you the advantage of getting one of the early hatch which are always the best.

BIRD SEED

But few persons are aware how much a bird's health, and consequently its song, depends upon the selection of seed. To the eye of the inexperienced buyer there appears to be but little difference. The mixed bird seed in most stores is the cheapest quality obtainable—often old, hard or musty. As you value the life of your bird, feed only our superior bird seed.

SUPERIOR MIXED BIRD SEED.—Is a specialty with us and we sell tons of it. Per lb. 10c; 3 lbs. 25c; 13 lbs. \$1.00. Postage 10c per lb. extra.

GERMAN SUMMER RAPE.—Fed very largely to trained canaries. Price 15c per lb; 8 lbs. \$1.00. Postage 10c per lb. extra.

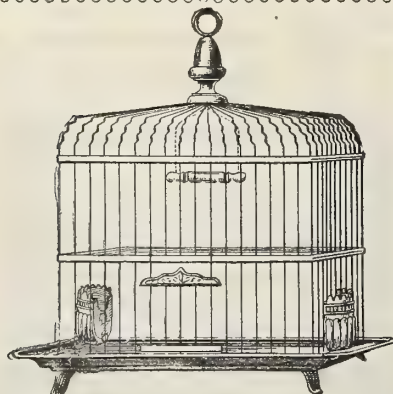
SICILY CANARY.—Best re-cleaned 10c per lb; 12 lbs. \$1.00. Postage 10c per lb. extra.

MAMMOTH RUSSIAN SUNFLOWER.—Price 10c per lb; 13 lbs. \$1.00. Postage 10c per lb. extra.

MIXED PARROT SEED.—Same price.

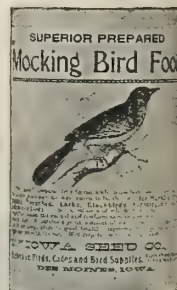
PARROT Dainties.—Per pkg. 25c, postpaid.

RED BIRD MIXTURE.—For Red Birds, Grosbeaks, etc. Same price as Superior Mixed.



JAPANESE OR PAINTED CAGE.—Best cage on the market for the money. It is neat, durable and convenient.

No.	Size	Price
70	6 x 9 in.	\$.70
71	6 1/2 x 9 1/2 in.	.85
72	7 x 10 in.	1.00
73	7 1/2 x 10 1/2 in.	1.25
74	8 x 11 in.	1.40





GLASS FISH GLOBE

GOLD FISH.—While there are many varieties of gold fish as named and described in this list, we refer only to the plain variety by this name. These are more popular than the fancy sorts, being low priced and generally satisfactory. They are a species of carp, originally inhabiting ponds and sluggish streams in China, and they are better adapted to life in fish globes than any other breed of fish. They are universal favorites, of golden red color. Those bred in this state seem to have a peculiar brilliancy of coloring which is especially noticeable when in the fish globes. Prices, 10c, 15c, 25c, 35c, 50c and \$1.00 each, according to size. Extra choice three-color specimens, when obtainable, \$1.00 each. The 25c size (5 for \$1.00) is the most popular. The largest size is only suitable for ponds or fountains.

SILVER FISH.—This is simply an uncolored gold fish of dark silvery color. Nice for a variety. Medium size 10c each; 6 for 50c.

PEARL FISH.—These elegant fish are either of a clear pearly white color or white is variegated with gold markings. Medium size 25c; 5 for \$1.00.

AMERICAN FANTAIL FISH.—Are bred from the imported Japanese fish and are very handsome. Price, according to size, shape and color, 25c, 35c, 50c, and 75c each.

ORIOLE FISH.—Beautifully variegated golden red and clear black. Medium size 30c each.

AQUARIUM CASTLES.—Styles for 8-inch fish globes 35c, postpaid, or 20c by express, not prepaid. Larger and special styles for oblong aquariums each 50c, 75c and \$1.00 by express, not prepaid. (Too heavy to mail.)

PREPARED FISH FOOD.—Good for all kinds of gold fish. This we import from Germany where they make the best quality and of the purest materials. Price 10c per box, postpaid.

PAGE'S FISH FOOD.—A fish food in granular form specially prepared by us. Best for amateurs. Price 15c per pkg., postpaid.

WHITE SAND.—Absolutely clean. Is very beautiful for aquariums. Price per pkg. (about 2 lbs.) 50c, postpaid. By express, not prepaid, 10c.

GOLDFISH

A well regulated aquarium adds an elegance to any place and is one of the most desirable ornaments for the parlor, library, sitting or dining room. It offers a wide opportunity for the study of nature, the motion of animal life eliciting the admiration of all, while affording instructive amusement for the children. The fishes require very little attention, and live a great many years. We breed immense numbers of gold fish, paradise fish, etc., and ship them to all parts of the United States from Maine to California and from Canada to the Gulf. They can be shipped at all seasons of the year; cold weather does not affect them unless bucket containing them freezes solid. The express charges are always paid by the purchaser. We have thousands of aquaria customers in the country as well as in the city, and therefore devote space in this catalogue to gold fish, knowing that they are the handsomest parlor ornaments which can be obtained. Ask for our Aquaria catalogue. It contains valuable information on Fish, Globes, Aquariums, etc.



AQUARIA CASTLE

COMET FISH.—Also called "Gorgeous Tails," "Long-Tailed Beauties," and "Fancy Gold Fish." They are without doubt the most graceful in their movements of all aquaria fish. Medium size 25c each; large 50c each. Extra choice colors and markings 75c to \$1.25.

JAPANESE FANTAIL FISH.—By far the most popular of all fancy fish and the most satisfactory of the imported varieties. The fins and tails are long and of delicate lace-like appearance. The tail is V-shape and frequently divided so that it might be called two distinct tails. They are beautifully variegated usually with golden red and pearly white or black. Nice specimens 50c each. Choice 75c each. Fancy, some showing three colors, \$1.00 each.

JAPANESE FRINGETAIL FISH.—These aristocratic fish are undoubtedly the most beautiful of all aquaria fish, having extremely long, drooping tail and fins. Choice specimens are very rare and when obtainable sell at \$10.00 to \$50.00 each. We can furnish select specimens at \$2.50 and \$5.00.

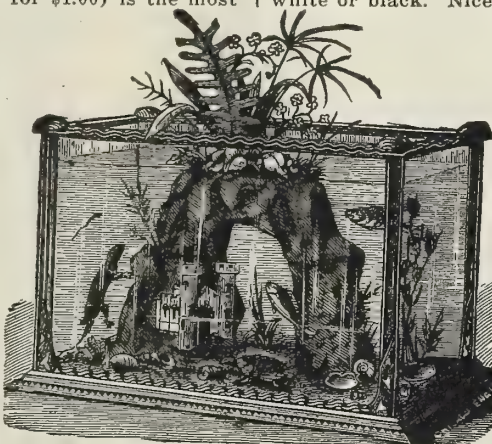
TELESCOPE FISH.—A very curious appearing fish which always attracts attention from its "extreme ugliness." Eyes are abnormally large and bulging. Price \$1.00 to \$1.50. Black Telescopes, which are quite rare, \$3.00 each.

SHIPPING BUCKETS.—Unless you order fish globe with fish it will be necessary to ship them in a can or bucket. For this purpose we offer 2 or 3-quart tin buckets suitable for holding 6 medium sized fishes or less at 10c each, 4-quart at 15c, 6-quart, will hold 12 medium sized fishes, 20c.

STANDING FISH GLOBES.—These are raised up on a glass base and are handsomer than the ordinary fish globe. Holds About Ea. Holds About Ea.
 ½ gallon.....\$1.00 2 gallons....\$2.25
 1 gallon.....1.25 3 gallons....3.00
 1½ gallons.....1.50

AQUARIA BOOK.—Illustrates and describes all best kinds of fancy fish. How to breed and care for gold fish, etc.; 64 pages; 15c; cloth bound, 50c, postpaid.

AQUARIUM PLANTS.—See page 130.



EUREKA AQUARIUM

EUREKA AQUARIUM.—Strong iron-frame tank. See cut above. Capacity about 7½ gallons. Price only \$7.50.

GLASS FISH GLOBES.—These are neat, cheap and consequently more popular than the large aquariums. The 8, 9, 10, and 11 in. are the sizes most used.

Diam.	Holds	Ea.	Diam.	Holds	Ea.
5 in....1 qt.	25	10 in..8 qts.	1.00		
6 in....2 qts.	40	11 in..12 qts.	1.25		
7 in....3 qts.	50	12 in..16 qts.	1.75		
8 in....4 qts.	60	15 in..30 qts.	3.00		
9 in....6 qts.	75				

HOME COLLECTION

Consists of one 4-quart Globe, three pretty Fish, Plant, Shells, and Food. Weight, packed for shipment, about 13 pounds. Price, \$1.25.

PARLOR COLLECTION

Consists of one 8-quart Globe, five Fancy Fish, Food, Plant, Shells. Shipping weight about 20 pounds. Price of Collection, \$2.00.

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MAMMOTH BAHAMA STARFISH.—Very popular. Price 25c, 50c and 75c ea.

GIANT CONCH.—This large shell is from the Bahamas. Too large for mailing. Price 50c, 25c and 15c. To be sent at expense of purchaser.

MEXICAN OPALS.—Finely polished opals for setting in rings, etc. 15c, 25c, 35c, 50c and \$1.00.

ZANZIBAR HARP.—A peculiar shell admired by all and not easily forgotten. 25c, 40c and 60c each.

POLISHED AGATES.—Choice stock of thin slabs of fine agates, one side finely polished, about 1x1½ in. in size. Price 25c each; 6, all different, for \$1.00.

TIGER COWRIE.—From Australia. 10c, 15c and 20c each.

"Only some shells that strewed a distant strand,
 On lonely shores by careless billows hurled,
 Yet each the impress bears of that Great Hand
 Which decks with beauty all the radiant world."

EAST INDIA CLAM.—One of the most popular and beautiful of shells. Price \$1.00, 75c, 50c and 25c per pair.

SMALL SHELLS.—An endless variety. Best mixture 35c per ½ pt.; aquarium mixture 20c per ½ pt., postpaid.

INDIAN ARROW HEADS.—These are nice for helping to ornament the shell cabinet and add to the interest. Price 5c, 10c, 15c, 25c and 50c each.

PEARLY NAUTILUS.—One of the most beautiful and wonderful shells. Is quite rare and somewhat expensive. Can furnish three sizes: \$1.25, \$2.00 and \$3.00 each.

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Unusual Size, Wavy, Fluted Form, Dainty and Harmonious Coloring, Vigorous, Strong Growth, Long Stems, Fragrant, and of Lasting Substance.

CHOICEST, PURE SELECTED SEED

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The varieties in this collection are fully described on page 80 of this catalogue, but perhaps they are best described by the pictures in color, which appear on the outside back cover page of this book where they are painted from nature. They are just as lovely as their portraits, and will be a source of delight to every planter.

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OPPORTUNITY FOR LOVERS OF BEAUTY
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Five Giant Waved and
Fluted Spencer Sweet Peas
Five Lovely Flowers
of Easy Culture

IOWA SEED CO.

Des Moines, Iowa

In ordering the two collections, just ask for the "Premier Bargain," sending 50 cts, and our order fillers will send the two collections offered on this page.

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Shown in Colors from Nature on the Outside Cover of this Book

Brilliant blooms so easily grown; and so bountiful in production that they will delight all purchasers. Equally suitable for either modest or formal gardens.

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Giant Flowered Snapdragon. The wonderful new strain of Antirrhinum which produces immense spikes of flowers often two feet high. The colors range from white through shades of yellow, and pink to deep crimson, presenting splendid possibilities for decorative or bouquet effects. The flowers retain their beauty for many days after being cut, making them specially valuable for table or mantle vases. They grow quickly and planted in open ground by May 1st will be in bloom in midsummer, while if the spikes are cut freely they will continue to bloom until fall. They are sometimes grown for winter blooming in the house. If you cut them back in early September, and set them in pots they will make fine house plants for the winter, flowering freely. The popularity of this flower is growing rapidly as it is being known, and it is now a commercial flower of importance with nearly all professional florists. Pkt. 10c.

Oriental Mixed Pinks. Our choicest offering of the favorite Dianthus or annual garden pinks. The markings and colors of these are rich and brilliant, while the form of blossoms is dainty and beautiful. A few of the blooms will be of solid colors. but most of them will show wonderful variations, striped, blotched and banded in a manner indescribable. Colors range from white to deep crimson and maroon and the flowers are produced profusely and continuously. They are much more fragrant than the older types of dianthus, an additional attribute to popularity. To those who have grown the older types of dianthus this new strain will be a revelation of superiority, and to those of our friends who are unacquainted with the possibilities of this flower, we offer them as a flower that will both surprise and delight the grower with lasting beauty. Pkt. 10c.

African Golden Daisy. A flower not generally known, but of such easy growth, so profuse in bloom, so brilliant in color and so useful for decoration that we give it a place here as a feature of our best floral offer of the year. The picture of the flower on the outside back cover page, will convey something of the form and color of this lovely flower, but it cannot show the sturdy growth of the plant, the bountiful production of bloom or the lasting substance of the flower, which are the characteristics that make it a valuable feature in any garden. The blossoms are two to three inches in diameter, are of a peculiarly rich glossy orange-gold, much more brilliant than the picture can be made. It grows quickly, plants twelve to fifteen inches high, and blooms freely all summer. A bed of it in full bloom is truly a splendid show. Pkt. 10c.

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Five Packets of Finest Flower Seeds Postpaid for 30 Cents

ORDER THE FLORAL HILL COLLECTION



VICTOR ASTERS

NOTICE

Please remember that we do not prepay the postage or express at these special prices. If you desire them prepaid add 8 cents per lb. on seeds and 15 cents per quart on peas, beans and corn to prices quoted in this list.

PRICES TALK

---BUT---

Quality Talks Louder

Our specialty has always been seeds of the highest quality and we propose to "stick to it." This year our seed crops have been abundant on almost everything except Peas, Beans and

While we exercise great care to have all seeds pure and reliable, and also true to name, we do not give any warranty, express or implied as to description, quality, productiveness, or any other matter of any seeds, bulbs or plants we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the seeds on these terms they are to be returned at once, and the money that has been paid for same will be refunded.

a few scattered items; and to our customers whom we understand use considerable quantities we are sending this

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We call them "Certainty Seeds" because they are thoroughly dependable, and if soil, weather and cultural conditions are favorable a good big crop of superior quality vegetables is a certainty. These wholesale prices are intended exclusively for Market Gardeners, Truckers and others who use seeds in quantity.

Orders Must Amount to at Least \$5.00

To entitle you to these wholesale prices. It need not necessarily be made up entirely from this list, but may be taken in part from our large general catalogue if desired. When this first order is received and we find that you are entitled to these prices your name will be entered on our **Gardeners' List** and future orders may be sent during the season at these prices no matter if only a single item is wanted, as we realize that frequently some article desired may be overlooked in sending the first order.

IOWA SEED CO., Des Moines, Iowa

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	.30	1.75	6.50
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Scarlet Runner	1.00
Yard Long

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Crosby's Improved Egyptian35	1.20
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	.90	3.00
Early Large White

BRUSSELS SPROUTS

	.65	2.25
American Mammoth35	1.25
English

CRESS

	.15	.45
Extra Curled .....	.90	3.00
True Water .....	.60	2.00
Upland .....	...	...

MARKET GARDENERS' WHOLESALE PRICE LIST

CAULIFLOWER

	$\frac{1}{4}$ Oz.	Oz.	$\frac{1}{4}$ Lb.	Lb.
Henderson's Early Snowball	.50	1.75	6.50	
Danish Giant	.50	1.75	6.50	
Early Dwarf Erfurt	.40	1.25	4.75	
Early Paris	.15	.45	1.60	
Lenormand's	.15	.50	1.75	

CABBAGE

	Oz.	$\frac{1}{4}$ Lb.	Lb.
Extra Early Express	.15	.40	1.25
Johnson's First Crop	.30	.75	2.40
Washington Wakefield	.20	.55	2.00
Early Jersey Wakefield	.15	.55	2.00
Winningsstadt	.15	.40	1.35
Henderson's Early Summer	.15	.45	1.50
Allhead Early	.15	.55	2.00
Succession	.20	.55	2.00
Surehead	.15	.50	1.75
All Seasons	.15	.50	1.75
Improved Danish Ballhead	.25	.75	2.50
I. S. Co.'s Short Stem Drumhead	.15	.50	1.75
Volga	.15	.85	2.75
Premium Flat Dutch	.15	.45	1.50
St. Louis Late Market	.25	.75	2.50
Perfection Drumhead Savoy	.15	.50	1.50
Mammoth Red Rock	.25	.75	2.50
Zenith Red	.25	.70	2.25

CARROT

Early Scarlet Horn	.65	2.00
Danvers	.65	2.00
Oxheart, or Guerande	.65	2.00
Improved Long Orange	.50	1.75
Iowa Standard	.65	2.25
Large White Vosges	.40	1.25
Victoria	.40	1.25

CELERY

Rose Ribbed Self Blanching	.20	.75	2.50
White Plume	.15	.50	1.60
Golden Self Blanching	.60	2.00	7.25
Giant Pascal	.15	.35	1.00
Golden Dwarf	.15	.40	1.25
Winter Queen	.15	.45	1.50
Turnip Rooted or Celeriac	.15	.45	1.50

CHERVIL

Curled	.25	.80
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CHICORY

Large Rooted	.30	1.00
Witloof	.45	1.50

CUCUMBER

Extra Early Express	.30	1.00
Iowa Standard	.30	1.00
Green Prolific	.20	.60
Improved Bismarck	.30	.90
Perfect White Spine	.25	.75
Improved Chicago Pickle	.20	.50
Early Cluster	.20	.60
Davis Perfect	.25	.75
Japanese Climbing	.30	1.00
Improved Long Green	.30	.90
Emerald	.30	.85
Gherkin	.40	
Lemon, see Catalogue		
Astro, see Catalogue		
Rollinson's Telegraph		
Snake, see Catalogue		

CORN SALAD

Corn Salad	.20	.60
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COLLARDS

Georgia	.20	.65
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CHUFAS

	Oz.	$\frac{1}{4}$ Lb.	Lb.
Chufas		.15	.35

CORN—Sweet

	Qt.	$\frac{1}{4}$ Bu.	Bu.
Peep of Day	.20	1.00	3.50
Extra Early Adams	.20	.85	2.75
Extra Early Cory (white cob)	.20	1.00	3.50
Early Sunrise	.25	1.25	4.25
Champion Early	.20	.90	3.25
Early Minnesota	.20	.90	3.25
Governor Gilman	.60		
Crosby's Early, medium early	.20	1.00	3.50
Stowell's Evergreen	.20	1.00	3.25
Country Gentleman	.25	1.10	4.00
Mammoth	.25	1.10	3.75
Black Mexican	.25	1.10	3.75
White Mexican	.25	1.10	4.00
Golden Bantam	.25	1.25	4.50
Pharaoh's Dream	.25	1.25	4.50

CORN—Pop

Page's New Striped Rice	.35	1.75	6.00
Mapledale Prolific	.25	1.25	4.50
Queen's Golden	.25	1.25	4.50
Monarch White Rice	.20	1.00	3.75

EGG PLANT

	Oz.	$\frac{1}{4}$ Lb.	Lb.
Improved New York	.30	.90	3.50
Pearl White	.30	.90	3.50
Extra Early Long Purple	.20	.65	2.25

ENDIVE

Green Curled	.10	.30	1.00
Giant Fringed	.15	.40	1.25

GARDEN LEMON

Garden Lemon	.15	.45	1.50
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GROUND CHERRY

Improved Yellow	.25	.60	2.25
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HERBS

Sage	.15	.40	1.25
Dill	.07	.15	.45
For other varieties see catalogue.			

KOHL RABI

Early White Vienna	.15	.45	1.50
Goliath Purple	.20	.50	1.75

KALE (or Borecole)

Mosbach (Dwarf Scotch)	.10	.25	.75
Dwarf German	.07	.20	.50
Thousand Headed	.05	.15	.40

LETTUCE

Relish	.10	.30	1.00
Morse	.10	.30	1.00
May King	.10	.30	1.00
St. Louis Market	.10	.30	.90
Salamander	.10	.25	.75
Early Curled Simpson	.10	.25	.65
Black Seeded Simpson	.10	.25	.75
Improved Hanson	.10	.25	.85
Prize Head	.10	.25	.75
Grand Rapids	.10	.30	.90
Iceberg	.10	.30	.90
California Cream Butter	.10	.25	.75
Denver Market	.10	.30	.90
Continuity	.10	.30	1.00
Immensity	.10	.30	1.00
Romaine	.15	.40	1.25

LEEK

Large Rouen	.10	.30	1.00
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MARKET GARDENERS' WHOLESALE PRICE LIST

3

MUSK MELON

	¼ Lb.	Lb.
Rocky Ford Thoroughbred	.30	.90
Rocky Ford, ordinary stock	.20	.55
Paul Rose	.25	.75
Extra Early Grand Rapids	.25	.75
Improved Green Nutmeg	.25	.75
Osage	.25	.80
Improved Early Hackensack	.25	.75
Emerald Gem	.30	1.00
Netted Gem	.20	.50
Bay View	.30	1.00
Banana	.40	1.25
Burrell Gem	.30	.90
Tip Top	.30	.75
Ordway Cantelope	.45	1.25
Winter Pineapple Casaba	.45	1.50
White's Favorite Casaba	.50	1.75

WATER MELON

Peerless or Ice Cream	.15	.40
Cole's Early	.20	.50
Fordhook Early	.20	.60
Iowa Standard	.25	.85
Sweet Heart	.15	.50
Melver's Wonderful Sugar	.20	.60
Duke Jones	.15	.50
Monte Cristo (Kleckley's Sweets)	.20	.65
Improved Triumph	.15	.50
Long Light Icing	.20	.60
Kolb's Gem	.15	.45
Mountain Sweet	.15	.50
Gypsy or Georgia Rattlesnake	.15	.50
Tom Watson	.25	.75
Golden Sweet	.50	1.50

CITRON MELON

Red Seeded	.20	.60
Colorado Preserving	.20	.50
Apple Pie	.40	1.50

MUSTARD

Ostrich Plume	.20	.50
White English	.10	.30
Southern Giant Curled	.20	.50
Chinese Golden	.20	.60

OKRA

White Velvet	.20	.50
Wyrick's New Giant	.25	.60

ONION

Extra Early Barletta	.40	1.35
Extra Early Red Flat	.40	1.25
Iowa Standard or Golden Globe	.45	1.50
Australian Brown	.35	1.10
Large Red Wethersfield	.30	1.10
Yellow Globe Danvers	.35	1.20
White Portugal	.60	1.90
Large White Globe	.60	2.00
Southport Red Globe	.45	1.40
Mammoth Silver King	.45	1.50
Mammoth Prizetaker	.30	1.00
Copper King	.50	1.75
Giant Vesuvius	.65	2.25
Ailsa Craig	1.40	5.00
White Bermuda	1.10	4.00

ONION SETS

	Qt.	¼ Bu.	Bu.
Subject to change of market.			
Yellow (per bu. 32 lbs.)	.15	.75	2.50
Red (per bu. 32 lbs.)	.15	.75	2.50
White (per bu. 32 lbs.)	.15	.80	2.90

PEAS

(Wrinkled varieties marked *)	Qt.	¼ Bu.	Bu.
First and Best	.35	2.25	7.50
Alaska	.35	2.25	7.50
Iowa Challenge	.40	2.75	9.00
*Premium Gem	.40	2.75	9.00

	Qt.	¼ Bu.	Bu.
*Dwarf Champion	.40	3.00	9.75
*Telephone	.40	3.00	9.75
*Improved Stratagem	.45	3.25	11.00
*Nott's Excelior	.40	2.75	9.00
*Gradus or Prosperity	.50	3.75	13.50
*American Wonder	.40	2.75	9.00
*Abundance	.45	3.00	10.00
*Everbearing	.40	2.75	9.00
Dwarf White Marrow	.30	2.00	6.00
*Champion of England	.40	2.75	9.25
Mammoth Luscious Sugar	.50	4.25	14.00

PEPPER

	Oz.	¼ Lb.	Lb.
Large Bell or Bull Nose	.15	.50	1.75
Sweet Mountain or Mammoth	.15	.55	2.00
Red Cayenne	.15	.55	2.00
Ruby King	.15	.55	2.00
Coral Gem Bouquet	.30	.90	3.00
Mammoth Golden Queen	.15	.55	2.00
Red Chili	.15	.50	1.75
Kaleidoscope	.25	.90	3.00
Chinese Giant	.30	1.00	3.75
Crimson Giant	.50	1.50	5.00

PARSLEY

Champion Moss Curled	.10	.30	.85
Market Gardener's	.10	.35	1.10
Hamburg (Turnip Rooted)	.10	.30	1.00

PARSNIP

Long Sugar or Hollow Crown	.25	.75
I. S. Co.'s Table Guernsey	.30	.90

SEED POTATOES

Prices subject to change of market. Write for quotations when ready to buy, stating quantity desired. Per Bu.

White Plume	
Extra Early Ohio, Red River grown	
Early Ohio, Iowa grown	
Rose of the North	
Carman No. 3	
Rural New Yorker No. 2	
Burbank	
Bonanza	
Ask for prices on above.	

SEED SWEET POTATOES

Per Bbl.

Early Yellow Jersey	
Red Jersey	
White Southern Queen	
Ask for prices on above.	

PUMPKIN

	¼ Lb.	Lb.
Large Cheese (sweet)	.15	.45
Calhoun or Thanksgiving Pie	.25	.75
Yankee Pie or Small Sugar	.15	.50
Golden Russet	.20	.65
King of Mammoths	.30	1.00
Mammoth Tours	.25	.85
Mammoth Etampes	.35	1.25
Golden Cushaw	.20	.75
Japanese Pie	.25	.80
New Atlas	.45	1.50
Big Tom	.15	.35
Conn. Field (10 lbs. \$2.25)	.10	.25

RADISH

Sparkler	.20	.60
Crimson Giant Forcing	.20	.70
Scarlet Gem	.20	.60
Early Scarlet Globe	.20	.60
Model White Box	.20	.50
Striped Triumph	.30	.90
Iowa Standard Early	.20	.60
Early Bird	.20	.60

MARKET GARDENERS' WHOLESALE PRICE LIST

	¼ Lb.	Lb.		Oz.	¼ Lb.	Lb.
Rosy Gem .....	.15	.45	Perfection .....	.15	.50	1.75
Scarlet Turnip .....	.15	.40	Acme .....	.15	.55	2.00
Icicle .....	.20	.60	Livingston's Beauty .....	.15	.55	2.00
Cincinnati Market .....	.20	.50	Improved Trophy .....	.15	.50	1.75
Golden Dresden .....	.25	.75	Crimson Currant .....	.50	1.50	4.50
French Breakfast .....	.15	.45	Golden Nugget .....	.50	1.50	4.00
Early Long Scarlet Short Top....	.15	.40	Ruby Nugget .....	.50	...	...
Improved Chartier .....	.15	.40	Golden Queen .....	.25	.75	2.50
White Lady Finger .....	.15	.45	Peach .....	.30	1.00	3.25
White Strasburg .....	.15	.45	Yellow Pear .....	.30	.90	3.00
Violet Queen .....	.40	1.25				
Sakurajima .....	.45	1.50	TURNIP			
China Rose (winter).....	.15	.50	Early Snowball .....	.20	.45	
Long Black Spanish (winter)....	.15	.40	Purple Top Milan .....	.30	1.00	
Calif. Mam. White (winter).....	.15	.50	Early White Milan .....	.35	1.25	
			Early White Egg .....	.20	.50	
RHUBARB			Purple Top Strap Leaved .....	.15	.40	
Ideal Mammoth .....	.70	2.00	Purple Top Globe .....	.20	.45	
Victoria .....	.35	1.00	Golden Ball or Orange Jelly .....	.15	.40	
			Scarlet Kashmyr .....	.25	.75	
SALSIFY						
Mammoth Sandwich Islands.....	.35	1.00	RUTABAGA			
			Monarch .....	.20	.55	
SPINACH			Improved American .....	.15	.40	
New Victoria (10 lbs. \$1.60).....	.10	.20	White Sweet German .....	.15	.45	
Long Standing (10 lbs. \$1.60)....	.10	.20				
Bloodsdales (10 lbs. \$2.00).....	.10	.20	VINE PEACH			
New Zealand .....	.20	.60	Vine Peach .....	.60	1.75	
SQUASH			HORSE RADISH SETS			
Golden Bush .....	.15	.50		100	1,000	
White Bush .....	.20	.60	Horseradish Sets .....	.45	3.00	
Early Bush Crookneck .....	.15	.50				
Prolific Marrow .....	.20	.75	GARLIC			
Table Queen .....	.60	2.00		Lb.	10 Lbs.	
Hester .....	.30	1.00	Sets .....	.25	2.00	
Delicious .....	.25	.80				
Warty Hubbard .....	.25	.80	VEGETABLE PLANTS			
Hubbard .....	.25	.75	Ask for prices in season.			
Golden Hubbard .....	.25	.90	PAPER FLOWER POTS			
Sibley or Pike's Peak .....	.25	.85	Splendid for transplanting vegetable plants.			
Blue Hubbard or Marblehead ....	.25	.75	2¼-inch.....Per 100 \$.40 Per 1000 \$3.35			
Perfect Gem .....	.25	.75	3 -inch.....Per 100 .60 Per 1000 5.25			
Mammoth Chili .....	.25	.75	4 -inch.....Per 100 1.00 Per 1000 9.25			
English Vegetable Marrow .....	.25	.80				
			GARDEN TOOLS			
TOMATO			Planet Jr. No. 4 Seeder and Cultivator..\$10.50			
Majestic .....	.40	1.25	Planet Jr. No. 4, without Cultivator.... 8.50			
Red Majestic .....	.50	1.50	Planet Jr. No. 1 Seeder and Cultivator.. 8.75			
Golden Majestic	1.00	...	Planet Jr. No. 3 Drill	10.00		
Spark's Earliana .....	.25	.75	Planet Jr. No. 6 Hill and Drill Seeder			
Dwarf Stone .....	.30	.90	and Drill Seeder and Cultivator..... 13.00			
Dwarf Champion .....	.20	.60	Planet Jr. No. 25 Seeder and Cultivator... 13.00			
Ponderosa .....	.30	.90	Planet Jr. No. 16 Single Wheel Hoe..... 5.35			
June Pink .....	.30	.90	Planet Jr. No. 17 Single Wheel Hoe..... 4.50			
Crimson Cushion .....	.30	1.00	Planet Jr. No. 12 Double Wheel Hoe..... 6.50			
Wonder Magnus .....	.30	1.00	Planet Jr. No. 13 Double Wheel Hoe..... 4.25			
Stone .....	.15	.50	Planet Jr. No. 14 Double Wheel Disc Hoe 7.50			
Matchless .....	.20	.60	Farmers' Single Wheel Hoe..... 3.75			
Favorite .....	.15	.50	Planet Jr. No. 8 Horse Hoe..... 8.25			
Japanese Climbing .....	.30	1.00	Planet Jr. 12-tooth Harrow	8.25		
			Mathews Constellation Drill and Cultivator	8.00		
			Universal Garden Drill	6.25		
			Universal Garden Double Wheel Hoe Complete. 5.00			
			Universal Double Wheel Hoe Plain..... 3.50			
			Write for special prices on sprayers, supplies and miscellaneous tools not listed here.			
			See large catalogue for complete line and descriptions. Address all orders to			

IOWA SEED CO. = Des Moines, Iowa

FARM SEEDS

**EXPERT PRODUCTION
EXPERT SUPERVISION
EXPERT SERVICE**

We realize we must have better seeds than you can get elsewhere if we are to have your trade, and we meet this demand by continued effort, both in production and handling our farm seed stocks. We have reduced the cost of providing the best seeds by combining the most modern and up-to-date plant with the expert labor of experienced men who have spent long years in handling this class of seeds. We are ready to be judged in any way you wish to make the test and we will mail you free samples for inspection. Will ship seeds subject to your approval, giving you fifteen days in which to test them, and if they are not satisfactory return them to us and we will return the money paid for them. Ask for a copy of our descriptive catalogue.

You Are Safe in ordering Clover Seed, Seed Grain or any other seeds from us, for you are protected by our

....\$10,000.00 GUARANTEE BOND....

as you will note by the following:

OFFICE
CENTURY SAVINGS BANK

DES MOINES, IOWA, NOV. 1, 1912.

TO WHOM IT MAY CONCERN:

This certifies that the Iowa Seed Company of this city has deposited with us a bond for **Ten Thousand Dollars (\$10,000)** as a guarantee to any one ordering seeds from them, where cash accompanies order, that if said seeds are found to be unsatisfactory upon examination or test, they may be returned within fifteen days from date received and the money which has been paid for same will be promptly refunded.

L. E. STEVENS, President

After the seed arrives examine it, test it, or have it inspected and tested by the State Seed Inspector the State Botanist or the U. S. Department of Agriculture. Then **you be the judge**. If their report or test is not satisfactory, or if for any other reason or without any reason, you want to return the seed to us within fifteen days from date you receive it, we will return your money promptly without quibbling. Can any offer be fairer? Of course we do not warrant the crop. No one could do that.

FREIGHT RATES.

Between Des Moines and Iowa towns on Clover, Timothy and Millet.

DISTANCE	PER 100 LBS
25 miles.....	11½ cts
50 ".....	13½ cts
100 ".....	16 " cts
150 ".....	19½ cts
200 ".....	23 " cts
250 ".....	26½ cts
300 ".....	30 cts

Rate on seed corn and field seeds is about 4 less. When the goods go over more than one line of railway there is a somewhat higher charge for freight.

A WARNING

During the past few years immense quantities of low grade, impure and adulterated clover containing the most noxious weed seeds have been imported from Europe, Canada and Chili and shipped to the farmers of this state. In some cases where samples have been sent to the Department of Agriculture, reports show that the seed contained Canada Thistle, Dodder, Wild Mustard, Quack Grass, etc.

The IOWA PURE SEED LAW prohibits all Iowa dealers from selling such seed but it does not prevent dealers in other states shipping in the vile stuff. It won't pay you to run any risk, so be sure to buy direct from Iowa Seed Company.

The Government Test.—The State Seed Commissioner recently inspected our Iowa Shield brand of Red Clover seed and found no weed seeds in it whatever. His test shows 99% per cent pure. The standard of purity in this state is 92 per cent.

Perfect Seed

Does Not Exist.

Our Iowa Shield brand is, we think, as near perfect as can be obtained; **absolutely perfect seed** would be as hard to find as an **absolutely perfect man**, and they don't make that kind now-a-days.

NOTICE-Disclaimer—We use great care in selecting, testing and cleaning all seeds and nothing is sent out which we do not believe to be good in every respect, but we want it plainly understood **we do not give any warranty**, express or implied, as to description, quality, productiveness, or any other matter of any seeds that we send out and we will not be in any way responsible for the crop. If the purchaser does not accept them on these terms, they are to be returned at once and the money which has been paid for same will be refunded.

SEED CORN

It pays to plant pure bred seed corn of the improved varieties which will yield a much larger crop than common sorts and are less affected by drought and unfavorable conditions. We are well supplied with choice selected seed of all the best varieties which has been carefully grown, critically selected, thoroughly graded and tested.

	Per bu.	2 bu. or more at	10 bu. or more at
Prosperity	\$3 00	\$2 85	\$2 60
Iowa Silver Mine	3 00	2 85	2 60
Iowa Gold Mine	3 00	2 85	2 60
Farmers' Reliance	3 00	2 85	2 60
The Profit	3 00	2 85	2 60
Early Longfellow Dent	2 75	2 60	2 50
Legal Tender	2 75	2 60	2 50
Lenocher's Homestead (red)	3 00	2 85	2 60
Reid's Yellow Dent	2 50	2 40	2 25
Star Leaming	2 50	2 40	2 25
Pride of the North	2 75	2 60	2 50
Iowa Yellow Dent	1 75	1 60	1 50
Early White Flint	2 50	2 40	2 25
Early Yellow Flint	2 50	2 40	2 25
Evergreen Sweet Fodder	2 50	2 35	2 25

NOTICE: We have in our employ an **EXPERT SEED ANALYST** who inspects and analyzes our Clover and Grass Seeds and tests their vitality. He has been thoroughly trained for this work and is amply qualified for accurate and reliable service: therefore **we know** as near as any dealer can know, that **OUR SEEDS ARE RIGHT.**

SEED POTATOES

Prices will probably be higher later in the season. Better order now at prices named below and we will ship when weather is favorable.

	Per bu.	5 bu. or more at
Extra Early Ohio (Red River)	\$1 90	\$1 60
Early Ohio (Iowa grown)	1 60	1 45
Rose of the North	1 75	1 50
Garman No. 3	1 70	1 50
Rural New Yorker No. 2	1 60	1 35
Burbank	1 60	1 35
Bonanza	1 60	1 40

Now for Business

The season has been favorable for producing a crop of Timothy seed this season. The new seed is bright, nice, of good quality, and price is lower than for several years past. The same is true of Blue Grass which is of better quality and lower in price than for many years. Reports are not so favorable as to Red Clover as the late fall has been so wet as to injure or discolor much of the seed and we are having considerable trouble to secure sufficient really high grade seed to supply our trade but we have some very nice seed in stock now which was threshed early. The crop also appears to be about twenty per cent less than last season so that prices will probably be higher especially for fine grades. Alfalfa has been in fair supply with much lower prices than last spring. From present outlook we believe it will pay you to place your order now for such seeds as you expect to require for spring seeding.

New Crop, Tested Seeds

Sold Direct to Farmers

TODAY'S PRICES—Feb. 5, 1913

Good only for orders sent within ten days

CLOVER AND GRASS SEEDS

These are sold on a very close margin of profit and the price fluctuates with the market just as grain and live-stock do. The following are our prices for immediate orders and are subject to important market changes and stock unsold. If you do not buy until later, ask for prices then.

CLOVER SEED	Per peck	Per 5 bus. or more at
Medium Red —Iowa Shield.....	\$3 75	\$14 00- \$13 85
Iowa Standard.....	3 50	13 00 12 85
Mammoth Red —Iowa Shield 3 75		14 25 14 10
Iowa Standard.....	3 50	13 25 13 10
Alsike —Iowa Shield.....	4 00	15 75 15 60
Iowa Standard.....	3 60	14 50 14 35
Alfalfa —Iowa Shield.....	3 00	11 25 11 15
Iowa Standard.....	2 75	9 50 9 35
Turkestan Alfalfa —Ia. Shield 3 00		10 75 10 60
White —Fancy lb. 50c, 7 00		27 00 26 85
Crimson —Iowa Shield lb. 20c, 2 60		9 50 9 35
Sweet —Yellow Annual 2 75		9 85 9 70
White (Mellilotis Alba) in hull (bu. 30 lbs.)	6 00	5 85
" Yellow (Mellilotis Officialis) in hull (bu. 30 lbs.)	5 75	5 60
TIMOTHY —Iowa Shield.....	90	2 60 2 50
Iowa Standard.....	75	2 20 2 10
KY. BLUE GRASS —Fancy lb. 20c, 2 00		1 85
Ia. Shield lb. 25c, 2 60		2 45
RED TOP —Fancy Cleaned...lb. 25c, 2 25		2 10
ORCHARD GRASS.....lb. 25c, 2 40		2 25
PERENNIAL RYE GRASS.....lb. 15c, 1 60		1 45
ITALIAN RYE GRASS.....lb. 15c, 1 75		1 60
MEADOW FESCUE.....lb. 25c, 2 10		2 00
MILLET , German Iowa Shield... 1 60		1 50
Siberian Iowa Standard.... 1 35		1 25
Japanese..... 1 50		1 40
PASTURE MIXTURES (bu. 15 lbs.) 3 00		2 85
LAWN GRASS —Evergreen...lb. 30c, 3 00		2 85
Central Park...lb. 25c, 2 75		2 60

Postage 10 cents per pound extra if by mail.

BAGS FREE—In comparing prices remember that we make no extra charge for bags to hold seeds ordered from this list.

TERMS—Cash with order. The express or freight charges on all farm seeds are to be paid by purchaser.

CATALOGUE FREE—Our large complete descriptive catalogue will be ready for mailing about the first of January. Ask for a copy.

SEED GRAIN

	Per bu.	2 bu. or more at	10 bu. or more at
SEED OATS —Silver Mine....	\$1 20	\$1 10	\$1 00
Prosperity, Iowa grown.....	1 35	1 25	1 15
Swedish Select Regenerated.....	1 15	1 00	85
Early Champion.....	1 15	1 00	85
WHEAT —Early Java.....	1 85	1 75	1 60
Hayne's Pedigree.....	1 75	1 65	1 50
Velvet Chaff.....	1 75	1 65	1 50
Macaroni.....	1 85	1 75	1 60
RYE —Mammoth Spring.....	1 70	1 60	1 50
BARLEY Mandscheuri.....	1 40	1 30	1 20
Oderbrucker.....	1 55	1 45	1 35
Success Headless.....	2 00	1 90	1 80
Ideal White Hullless.....	2 50	2 35	2 25
SPELT or Emmer.....	1 40	1 30	1 25
SEED FLAX	2 75	2 65	2 50
BUCKWHEAT —Japanese.....	1 60	1 50	1 40
Silver Hull.....	1 75	1 35	1 50
BROOM CORN —Evergreen.....	2 75	2 60	2 50
Californiana Golden.....	2 90	2 75	2 65
Dwarf.....	3 25	3 10	3 00

FORAGE AND FODDER CROPS

	Per 100 lbs.
EARLY AMBER CANE (1000 lbs. \$25.00).....	\$ 2 75
KENNEY'S AMBER CANE , for sorghum.....	12 00
MILO MAIZE (red seed).....	2 50
KAFFIR CORN (white seed).....	2 50
PENCILARIA —5 lbs. \$1.00, 25 lbs. \$3.75.....	13 50
DWARF ESSEX RAPE —10 lbs. \$1.25.....	8 00
GIANT SPURRY —10 lbs. \$1.25.....	9 75
TEOSINTE —Per lb. 85c, 3 lbs. \$2.25	
THOUSAND HEADED KALE —Per lb. 40c, 5 lbs. 1 75	
AUSTRALIAN SALT BUSH —Per lb. \$1.15, 3 lbs. 3 00	
SERADELLA	Per bu. \$6.50 5 bu. \$30.00
SAND VETCH	" " 10.00 5 " 48.75
COW PEAS —New Era.....	" " 3.50 5 " 16.25
Whippoorwill.....	" " 3.50 5 " 16.25
FIELD PEAS —White.....	" " 3.25 5 " 15.25
SOJA BEANS	" " 3.50 5 " 16.25

YOUR HOME DEALER

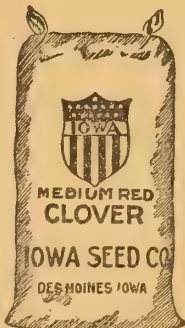
will furnish you seeds of our Iowa Shield or Iowa Standard brands. If he does not have them in stock he will order for you; but be sure that our brand or label is on every bag. In some cases we have found that dealers substituted for ours much cheaper grades on which they could make a larger profit. Insist on having the best. Recent U. S. Government tests show our Iowa Shield Clover to be over 99% per cent pure.

OUR RESPONSIBILITY.—As this list will probably go into the hands of many who are unacquainted with us, this question will naturally arise, and in answer to same we refer you, by permission, to the Century Savings Bank, of this city, to any Express Company, the Postmaster or the Dun or Bradstreet Commercial reports.

IOWA SEED COMPANY

Store 613-615 Locust St. Warehouse So. 8th St.

DES MOINES, IOWA



Prices Include Bags to Ship in

**ECONOMY
IN THE GARDEN**

1913

**THESE OFFERS
ARE FOR YOU**

BARGAIN LIST

EVERYONE likes to secure genuine bargains, and our crops were so good the past season that the quotations made in our catalogue are comparatively low on most items. Since our catalogue went to press it has developed that on some items our crop was much larger than we expected, and we have what appears to be a surplus. Instead of selling to other dealers we have decided to give our customers the benefit of **BARGAIN PRICES**. As is the usual rule when crops are abundant, quality is exceptionally good, and the seeds offered in this list are all our own, high grade, pure, true to name, tested stock, which we are sure will prove satisfactory. The low prices which we make in our Bargain List have in the past induced thousands of new customers to try our seeds, and everyone has been so much pleased with them that we believe they will become our regular buyers, and we look for greatly increased orders this season; but we hope that each person will also order at least a few items from our catalogue, as of course there is no profit to us in selling at these figures. These prices are for orders sent us before July 1, 1913. Better order early, as stock of some items may be exhausted late in the season. See remarks to customers on first page of accompanying catalogue for terms of sale.

WE HOPE that in ordering seeds at these special prices you will make order amount to at least 10c, as otherwise the order would be filled at a loss. **Plant orders must amount to at least 25c.**

POSITIVELY No seeds sold at these prices except the varieties named here. No discounts or premiums on orders at bargain prices, as they are too low already. Seeds or other goods in this Bargain List cannot be selected as premiums on orders from catalog.

The collections we keep ready and they cannot be changed or divided.

IOWA SEED CO., Des Moines, Iowa

VEGETABLE SEEDS

We offer all of the following varieties by mail, postpaid, at prices named:

	Pkt.	Oz.	Lb.
ASPARAGUS—Palmetto	3	6	45
BEEF—Dewey's	3	10	85
Long Blood	3	10	85
CABBAGE—Extra Early Express	3	15	1 25
St. Louis Late Market	3	25	2 50
CAULIFLOWER—Early Paris	3	40	.....
CELERY—Giant Pascal	3	15	1 00
CELERY—Giant Prague	3	15	1 50
CRESS—Extra Curled	2	5	45
CUCUMBER—Chicago Pickle	3	7	50
ENDIVE—Giant Fringed	3	15	1 25
LETTUCE—California Cream Butter	2	10	75
Prizehead	2	10	75
MUSK MELON—Rockyford	2	7	55
WATER MELON—Fordhook Early	2	7	80
OKRA—Weirick's Giant	2	7	80
ONION—Australian Brown	3	15	1 10
Large White Globe	3	20	2 00
PEPPER—Large Bell	3	15	1 75
PUMPKIN—Yankee Pie	2	7	50
RADISH—Rosy Gem	2	5	45
Model White Box	2	5	50
Cincinnati Market	2	5	50
SQUASH—White Bush	2	7	60
Golden Hubbard	3	10	96
SPINACH—Bloomsdale	2	5	20
TOMATO—Livingston's Beauty	3	15	2 00
TURNIP—White Egg	2	5	50

HEAVY PACKAGES

	Pkt.	½ Pt.	Qt.
BEANS—Improved Early Valentine	3	12	25
Henderson's Bush Lima	3	12	30
SWEET CORN—Early Minnesota	3	10	20
Pharaoh's Dream	3	12	25
PEAS—Nott's Excelsior	5	15	45
Improved Stratagem	5	15	45

FLOWER SEEDS

Any of the following varieties postpaid at 2 cents per packet:

	¼ oz.	Oz.
Agrostemma	10	25
Algeratum, Blue	10	25
Alyssum, Sweet	10	25
Antirrhinum, mixed colors	15	35
Asperula	20	.....
Asters, mixed varieties	30	1 00
Calendula	20	.....
Calliopsis	20	.....
Candytuft	20	.....
Centaurea, Cyanus, mixed	10	30
Celosia, mixed varieties	25	85
Clarkia	10	25
Cypress Vine	10	25
Dianthus	15	50
Eschscholtzia	10	35
Gourds	15	.....
Helichrysum	15	50
Hollyhock	25	75
Ice Plant	15	40
Larkspur	10	25
Marigold	10	30
Marvel of Peru	10	.....
Mexican Burning Bush	15	50
Mignonette, Sweet	10	.....
Morning Glory, mixed colors	10	.....
Nasturtium, Dwarf, mixed	15	.....
Nasturtium, Tall, mixed	10	.....
Nicotiana	10	25
Pansy, fine mixed	25	75
Petunia	15	50
Phlox	20	60
Poppy	20	.....
Portulaca, Single, fine mixed	15	50
Ricinus, mixed	15	.....
Sensitive Plant	15	50
Sweet William	10	25
Sunflower, mixed varieties	10	.....
Zinnias	15	50
Mixed Flower Seed	10	25

NOTICE: These low prices apply only to varieties named above, of which we have a surplus, and they are not for any other kinds listed in our catalogue.

VEGETABLE PLANTS

Just Enough for the Home Garden—It often happens that you would prefer to buy a few vegetable plants rather than bother with growing from seed. We appreciate this fact and offer you the following collection of vegetable plants in such way as to make it a veritable bargain: 12 Tomato, 25 Early Cabbage, 6 Pepper, 6 Egg Plant, 25 Celery, 50 Sweet Potato, all by mail, postpaid, for \$1.00.

"Generous Bargains and Full Packages"

Here is what Ray Cady, of Mitchell, Iowa, says in a letter about the quality of our bargain seeds:

"We have used your seeds for the past ten years and have always found them fine, just as represented in every way, and the best quality. Also, you are very generous in bargains and full packages."



RICHMOND—A remarkably handsome variety, with large, bright, scarlet-crimson flowers. A very strong grower, free bloomer and always satisfactory. Each 15c.

GOLDEN GATE—Perfectly shaped, large double flowers of creamy white, tinged with pink and golden yellow. This is one of the most showy and attractive varieties. Each 10c.

BRIDE—One of the finest white roses ever offered. Buds very large, of exquisite form, and the full flower very double, measuring $3\frac{1}{4}$ to 4 inches in diameter. Each 15c.

BRIDESMAID—An exquisite, bright, clear pink, a lovely shade; flowers very large and perfectly double. The buds are large and solid, with long, stiff stems and handsome foliage. Each 10c.

THE ABOVE FOUR GRAND ROSES, WORTH 50 CENTS, FOR ONLY 30 CENTS, POSTPAID.



AMERICAN BEAUTY ROSE

The World Renowned AMERICAN BEAUTY THE QUEEN OF ROSES

No description can do justice to this, the most famous of all roses. It is the most highly valued in all cut flower markets, and during the holiday season single buds often sell at \$1.00 to \$1.50 each, and sometimes even higher. The reason for it is that their large size, beauty and fragrance are unequaled. They are hardy and will stand the winters in this severe climate with but little protection. Flowers are of the largest size, very double and of a deep brilliant red, shading to carmine crimson. It has the everblooming qualities of the tea rose. We have some choice two-year-old plants, well grown, and we offer them as long as they last at only 25c each, 5 for \$1.00 or dozen \$2.00, charges prepaid.

CRIMSON RAMBLER ROSES

The most popular climbing rose in existence as well as the hardest, most showy and attractive. Sometimes two hundred to three hundred beautiful, bright crimson blossoms are produced on a single stem, and a well grown plant has several thousand flowers on at one time. Remains in bloom a long time. Strong two-year-old plants of this variety at 25c each; five for \$1.00; \$2.00 per dozen, charges prepaid.

FULL VALUE ROSE COLLECTION

We have thousands upon thousands of extra fine roses grown specially for our mail trade. We have many different varieties, but not a poor one. In fact we grow only the cream of the list. We always have a surplus of some sorts, as we cannot exactly gauge the demand for any variety. If you will permit us to select the varieties, we will send you

Ten Choice Roses Postpaid for 50 cts

Here is what a lady customer in Indiana states about some bargain plants she received from us:

"The flower plants arrived in fine condition and I was both surprised and pleased with them as they are much larger and better than I supposed they would be."

BARGAIN COLLECTIONS

Only 25 Cents Each, Postpaid.

THIS IS THE 47TH ANNIVERSARY of our start in the seed business, and we are resolved to have the largest trade that we have ever had. It is our **BARGAIN YEAR**, and we are almost giving away these collections to secure trial orders, especially from new customers. Our selection of varieties, but all different and all first-class. Tell your friends about them.

No. 1—Consists of 15 full sized packets of vegetable seeds, including Lettuce, Radish, Onion, Tomato, Cabbage, and a good assortment for the family garden.

No. 2—Consists of 15 full sized packets of choice Flower seeds, all pure, fresh, tested seeds, sure to grow and bloom this season; includes Asters (25 varieties), Phlox (12 varieties) Pansy (40 varieties), Dianthus Pinks, etc.

No. 3—This collection contains one packet each of eight Floral Novelties. This is a desirable collection.

No. 4—Sweet Pea collection: 12 named varieties, 1 full sized packet of each including some of the best.

No. 5—Pansy collection: one packet each of eight varieties of Pansies, all choice sorts.

No. 6—Aster collection: one packet each of eight varieties of Asters, including mixtures, making fully 150 sorts.

No. 7—Consists of 100 Dieppi Oxalis bulbs; fine for borders or edging beds.

No. 8—Everybody likes Pansies, and this collection of 12 choice Pansy plants is sure to please all.

No. 9—Three good Paeonies.

No. 10—Fifteen nice, large Asparagus roots. Will make a nice family garden bed.

No. 11—No garden is complete without a few herbs, and this collection of six hardy Perennial Herb and Mint plants is just what is needed.

No. 12—Roses will always be popular, and this collection of six choice Tea Roses will please you.

No. 13—Consists of one plant each of four varieties of Rambler Roses.

No. 14—Consists of one plant each of four kinds of Memorial Roses; hardy.

No. 15—Cemetery collection of four choice plants well suited for this purpose.

No. 16—Four Hardy Roses, all different.

No. 17—Aquatic collection: contains four plants suitable for growing in aquarium or pond.

No. 18—Shrub collection; five varieties of Hardy Ornamental Shrubs.

No. 19—Four choice Vines, hardy and good.

No. 20—Hardy Perennial Plants are becoming more popular, and this collection of six nice varieties will doubtless be in great demand.

No. 21—Fifteen Strawberry Plants; just the thing for the family garden, and wonderfully cheap.

No. 22—Begonias, four choice plants, all different.

No. 23—Six choice, fragrant Carnations.

No. 24—Four Grand Cannas, the most showy of bedding plants.

No. 25—Six splendid varieties of fall blooming Chrysanthemums.

No. 26—Four Choice Fuchsias.

No. 27—Four Single and Double Geraniums.

No. 28—Six nice Verbenas.

No. 29—Six brilliant varieties of Coleus.

No. 30—Four Double Petunias.

No. 31—Five fragrant Heliotropes.

No. 32—Four elegant Lantanas.

No. 33—Four Dahlia Plants.

ANY OF ABOVE COLLECTIONS 25c EACH

5 for \$1.00, 11 for \$2.00; or the entire 33 Collections for \$5.00, prepaid



NIAGARA

EIGHT STRONG NO. 1 GRAPE VINES, POSTPAID, 64c

We do not offer in this bargain any variety that has not proven suitable for planting here, and none but what will produce good crops every year.

4 Concord, black; 2 Niagara, white; 2 Agawam, red.

Just enough for the ordinary family needs, and a variety sufficient to satisfy different tastes. Can be planted in the back yard on a city lot and furnish all the grapes a family can use. Order this as Collection No. 34, or "Grape Vine Bargain", for 64 cents, postpaid.

Don't fail to take advantage of these bargains

OUR FAMOUS STRAWBERRY BARGAIN

For several years we have featured this bargain collection of Strawberry Plants, with wonderful satisfaction to our customers, thousands of whom have taken advantage of our knowledge of varieties and special facilities to supply choice plants.

25 Senator Dunlap, 25 Bubach, 25 Bederwood, 25 Warfield

Four varieties furnishing both staminate (male) and pistillate (female) blossoms; suitable to grow together and give a succession of fruit through the season. 100 plants in all (just enough for a home bed) well-rooted, vigorous and young plants that have never fruited. Postpaid for \$1.00.

BUSH FRUIT BARGAIN

Here is a splendid offer of small fruits for the garden. Not too many for a small plot of ground, but still enough to produce sufficient fruit for an ordinary family. You can plant these in small space and once established they fruit for several years.

5 Fays Prolific Currant, 3 Downing Gooseberry, 12 Snyder Blackberry, 12 Cumberland Raspberry

Standard sorts of proven merit, that thrive and produce crops in any part of the country. No so new as some sorts but with years of profitable yield as their recommendation.

33 Strong Well-grown Plants, Prepaid \$1.68

A GREAT BIG BARGAIN IN GLADIOLUS

The improved varieties of Gladiolus may well be considered the most magnificent of all bulbous flowers. We grow hundreds of thousands of the bulbs, and this year many of the bulbs did not attain full size, but they will produce nearly as large and handsome flowers as large sized bulbs, for they are perfectly matured and sound. The choicest varieties seemed to produce the smallest bulbs this year, and we threw many of them into this mixture at the heretofore unheard of price of 15c per dozen, 90c per 100 postpaid.

BULBLETS.

Growing Gladiolus from the little bulblets is a splendid way to prepare for a large planting in the future. They will bloom the first year. All will become large bulbs, bloom and multiply the second season. We offer

100 BULBLETS FOR 15 CENTS or 1,000 for \$1.20, postpaid, with full directions for growing.

It's a real bargain. How many do you want?





A COMPLETE GARDEN LIKE THIS FOR \$1.00.

88 SUMMER BLOOMING BULBS FOR ONLY \$1.00

We grow acres of bulbs and sell thousands of them to eastern dealers. In growing such quantities there are always some which do not attain full size, but they are thoroughly matured and will bloom about as well as the largest bulbs, which would cost many times the price. These bulbs are all choice varieties and sure to grow and bloom soon after planting. The collection consists of the following: 15 Showy Gladiolus, 4 Beautiful Lily of the Valley, 2 Giant Ismene, 5 Fragrant Tuberose, 4 Elegant Iris, 1 Beautiful Amaryllis, 2 Gorgeous Cannas, 4 Cinnamon Vine Bulblets, 1 Caladium or Elephant Ear, 50 Charming Oxalis for border.

TOTAL 88 BULBS FOR \$1.00

DECIDEDLY THE BEST BULB OFFER EVER MADE

Tri-color Paeony Bargain

ONE WHITE

ONE PINK

ONE RED

Everyone enjoys pæonies and if you have even a very small plot of ground you can use this splendid bargain. You can plant all three in one clump and the contrasting color of the flowers will make a wonderful display. You can plant them separately and each one will become in time a great strong plant full of lovely flowers in spring. They can be planted in connection with shrubs or other hardy plants and add attractiveness and beauty. Once established they need not be disturbed for many years. Keep the soil about them rich, mellow and free from weeds and promote growth. This is truly a great bargain as they ordinarily sell for double the price we are asking in this offer.

ONE GOOD STRONG ROOT EACH OF THE WHITE, RED AND PINK PAEONY POSTPAID, ONLY 50 CTS



DAYSTAR COSMOS

An Attractive Feature of Any Garden

The cosmos is a favorite among flower lovers because of the dainty blooms and stately growth. This strain of early flowering cosmos is particularly choice in that it grows quickly, blooms freely and continuously from July to October and forms splendid hedges, screens or borders, growing from four to six feet high. Colors range white, through shades of pink to bright red. Foliage is fine cut, very graceful and attractive. Make splendid cut flowers, lasting a long time in vases after being cut, and are very popular in city flower markets during the blooming season. Pkt. 10c.

CANNONBALL RED ONION

Our Superior Red Globe Type

A particularly fancy type of red globe onion, produced by many years selection of choicest bulbs. It is thoroughbred, and if properly grown every bulb will be a good one. The hardiest, longest keeper, best shape and most uniform strain of red globe onion it is possible to procure. Our offer of this free seed is a splendid opportunity, but we can recommend this seed to our friends as suitable for a quantity crop. If you intend to sow onion for home or market crop you will not find any strain or any variety that will produce better bulbs or that you can dispose of for more money. Pkt. 10c, oz. 35c, ¼ lb. \$1.00, 1b. \$3.00.

FREE SEED FOR ALL FREE

We want at least a small order from everyone who receives this catalogue, and are sure that a trial will convince you of the superior quality of our seeds and plants. We will therefore send free one full sized packet of our **Daystar Cosmos**, described above, to everyone sending an order this year amounting to 25c or more, if you ask for it in your order. If preferred we will send a packet of **Cannonball Red Onion**, in place of Cosmos. Mark variety desired on order sheet.

IOWA SEED CO. Des Moines, Iowa

Filled by		File	
Date Shipped	Shipped by		

Warehouse—208-210-212 S. Eighth St. Greenhouses—31st and Kingman Blvd.

QUANTITY OR NUMBER	NAME OF SEEDS OR OTHER ARTICLES WANTED Please write your plant order on the green order sheet	PRICE	
		DOLLARS	CENTS

QUANTITY OR NUMBER	NAME OF SEEDS OR OTHER ARTICLES WANTED Please write your plant order on the green order sheet	PRICE	
		DOLLARS	CENTS
<p>YOUR CHOICE FREE 1 Pkt. Cannonball Red Onion { Either variety sent free if your order amounts to 25 cents or more. Mark out the one not wanted</p> <p><i>Amount carried forward,</i></p>			

Amount carried forward.



THIS IS THE OLD FAMILIAR HEADING AND FIRST PAGE OF

THE FARM JOURNAL

THE BIGGEST LITTLE PAPER IN THE WORLD, 36 YEARS OLD, HAS MORE THAN 700,000 SUBSCRIBERS, EVERY ONE PAID IN ADVANCE. IT IS UNLIKE ANY OTHER PAPER. SIGN THIS COUPON BELOW AND MAIL WITH A DOLLAR BILL AT THE PUBLISHERS' RISK.

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Enclosed find one dollar, for which please send me the Farm Journal five full years. (see GUARANTEE on the other side)

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Note: Send direct to the Farm Journal, Philadelphia, Pa. Rate to subscribers in Philadelphia, Canada, and foreign countries. 5 years for \$1.50

SEE OTHER SIDE

WRITE YOUR NAME AND ADDRESS HERE

From _____

ROSES

10 CHOICE ROSE PLANTS, our selection of varieties but all labeled, all different and all beautiful, or 12 assorted House Plants sent postpaid with full directions for growing for only

50 CENTS.

Iowa Seed Co.,

Des Moines, Iowa.

Mutual Benefit Coupon

It is important to the success of our business that our friends and patrons should be thrifty and prosperous. A wide-awake farm and household paper is a wonderful help to this end, and we therefore have secured for you the best terms for that splendid paper, the

FARM JOURNAL

You will be delighted with it, and will thank us for introducing it to you. It is for the farmer, the poultryman, the fruit grower, the trucker, stockman, dairyman, villager, suburbanite, the women folks, the boys and girls. Cheerful, clean, honest, full of gumption and sunshine; practical as a plow, readable as a novel. Subscription price is \$1.00 for five years. The publishers do not take shorter subscriptions—5 years or 10 years only—but you take no risk:

GUARANTEE

ANY SUBSCRIBER MAY DISCONTINUE THE FARM JOURNAL AT ANY TIME, FOR ANY REASON, OR FOR NO REASON, AND THE UNUSED PROPORTION OF HIS REMITTANCE WILL BE REFUNDED.

PUBLISHERS FARM JOURNAL

Mail this Mutual Benefit Coupon today with A DOLLAR BILL direct to the Farm Journal.

IOWA SEED COMPANY

Des Moines, Iowa

SEE OTHER SIDE

Hundreds of Orders are Delayed Because the Sender
Fails to Give His Name and Address. Be

Sure to Write Your Name
Plainly.

Before
Sending

Look over our index
and it will doubtless remind
you of some other item you want.

LAWN GRASS.

A nice Lawn can easily be
made by sowing our
Central Park Mixed
Lawn Grass Seed,
40 cents per lb.
Postpaid.

FARMERS!

Don't fail to read every word in our
FARM SEED DEPARTMENT
and especially notice

SEED CORN and GRASS MIXTURES
OUR FARM SEEDS YIELD IMMENSE CROPS

Every one
who keeps poultry
will be interested in
our complete catalogue of
Poultry Supplies.

It is fully illustrated
and of value
to every
breeder.

PRIMROSE
SPENCER

WHITE
SPENCER

COUNTESS
SPENCER

THE FIVE BEST
SPENCER SWEET PEAS
FOR 30 CTS. POSTPAID.

CAPTAIN
OF BLUES
SPENCER

KING
EDWARD
SPENCER

Floral Hill Collection

1	GIANT FLOWERED SNAPDRAGON	10
2	ORIENTAL MIXED PINKS	10
3	AFRICAN GOLDEN DAISS	10
4	BUTTERFLY NASTURTIUM	10
5	VICTOR MIXED ASTERS	15
TOTAL		55¢
FOR ONLY 30 CTS.		

50¢

WILL PAY FOR
BOTH COLLECTIONS